BRAIN RESEARCH

INTERNATIONAL MULTIDISCIPLINARY JOURNAL
DEVOTED TO FUNDAMENTAL RESEARCH IN THE
BRAIN SCIENCES

CUMULATIVE AUTHOR AND SUBJECT INDEXES

1993

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BRAIN RESEARCH

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(including Developmental Brain Research, Molecular Brain Research, Brain Research Reviews and Cognitive Brain Research)

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The 1993 Cumulative Autor and Subject Index comprises 10 separate indexes: the Author and Subject Indexes of **Brain Research, Developmental Brain Research, Molecular Brain Research, Brain Research Reviews** and **Cognitive Brain Research.** Each section had its own volume numbering according to the schedule below. This numbering has been used in the present indexes.

BRAIN RESEARCH (1993) Volumes				
Brain Research Vols. 600–632	**Developmental Brain Research Vols. 71–76**	**Molecular Brain Research Vols. 17–20**	**Brain Research Reviews Vol. 18**	**Cognitive Brain Research Vol. 1**

Please note that the above schedule differs slightly from the 1993 publication schedule:

Volumes 589–599 of **Brain Research** and Volumes 15–16 of **Molecular Brain Research** belong to the 1993 subscription year but were published ahead of schedule in 1992 and have been indexed in the 1992 index.

Volume 20 of **Molecular Brain Research** belongs to the 1994 subscription year but was published in 1993 and has been indexed in the present index.

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Chronic ethanol; Hippocampus; Muscarinic receptor; Field potential; Recurrent inhibition (Rothberg, B.S. (631) 227)

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Acetylcholine esterase
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3-Acetylpyridine
Microglia; Macrophage; Rat; Brain (Ogawa, M. (610) 135)

***N*-Acetyltransferase**
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Acid–base regulation
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Basic fibroblast growth factor; Huntington's disease; Neostriatum; Astrocyte; Neuron; Substantia nigra; Globus pallidus (Tooyama, I. (610) 1)

Acidosis
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Acoustic startle response
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Acoustic thalamus
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***t*-ACPD**
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t-ACPD
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Acquired immune deficiency syndrome (AIDS)
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ACTH / MSH-like peptide
ACTH(1–24); Grooming behavior; Pressor response; Intracerebroventricular administration (Versteeg, D.H.G. (631) 265)

Actin
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α-Tubulin; Messenger RNA; Ischemia; Bifemelane; Gerbil; In situ hybridization histochemistry (Asanuma, M. (600) 243)

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Activation
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Activity dependence
Demyelination; Axon; Action potential; Sodium channel (Shrager, P. (619) 278)

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A-current
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Salt stimulus; Glossopharyngeal nerve; Integrated response; Inhibition; 5′-GMP; Bullfrog (Miyamoto, T. (629) 345)

Addiction
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Food restriction; Sensitization; Corticosterone; Amphetamine; Morphine; Locomotor activity (Deroche, V. (611) 352)

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2-Chloroadenosine; Long-term potentiation; Glutamate; *N*-Methyl-D-aspartate; Receptor; Hippocampus (De Mendonça, A. (606) 351)

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Dopamine; Parkinson's disease; Rotational behavior; 6-Hydroxydopamine (Jiang, H. (613) 347)

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Hypoxia; Depolarization; Adenosine; Hippocampus (Lee, K.S. (609) 313)

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Adenosine triphosphatase
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Adenosine triphosphate
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Inositol phosphate; Diacylglycerol; Free fatty acid; Creatine phosphate; Lithium; Cerebral ischemia (Lin, T.-A. (606) 200)

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Adenylate cyclase
Aging; Rat; Striatum; Dopamine receptor; Dopamine D_1 receptor; Dopamine D_2 receptor; High-affinity state (May, T. (604) 106)

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Adrenal catecholamine
Autonomic control; Excitatory amino acid; Spinal trigeminal nucleus (Bereiter, D.A. (622) 155)

Adrenalectomy
Epilepsy; Kindling; Circadian (Weiss, G. (612) 354)

Norepinephrine; Obesity; Corticosterone; Catecholamine; Adrenoceptor (Levin, B.E. (614) 146)

Adrenal gland
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Adrenal hormone
Mineralocorticoid receptor; Glucocorticoid receptor; Neurogenesis; Hippocampus; Thymidine (Cameron, H.A. (611) 342)

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Medial amygdala; Salt appetite (Zhang, D.-m. (600) 20)

α_2 Adrenergic agonist
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α_1-Adrenergic receptor
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Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

α_2-Adrenergic receptor
Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

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Plasticity; Development; Visual cortex (Liu, Y. (632) 274)

α-Adrenoceptor
Norepinephrine; Plasticity; Prazosin; Locus ceruleus; Vibrissae (Dunn-Meynell, A.A. (623) 25)

Aging; Noradrenaline; Neuropeptide Y; Brainstem; Hypothalamus (Huguet, F. (625) 256)

Spinal cord; Frog; Sodium pump; Excitatory amino acid (Shope, S.B. (630) 207)

α_2-Adrenoceptor
3,4-Dihydroxyphenylacetic acid; Hippocampus; Microdialysis; Norepinephrine; Sensitization; Stress (Nisenbaum, L.K. (608) 280)

α_2-Adrenoceptor
A1 noradrenergic cell group; Vasopressin cell; Neurosecretory cell; Supraoptic nucleus; Presynaptic receptor (Khanna, S. (613) 164)

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β-Adrenoceptor
Antidepressant; Adenylyl cyclase; Dopamine receptor; MK-801; NMDA receptor; Quinpirole (De Montis, M.G. (606) 63)

Adrenocorticotrophin
Cortisol; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Parkinson's disease; Hypothalamus; Dopaminergic neuron (Mizobuchi, M. (612) 319)

Adrenocorticotropic hormone
α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Intrahypothalamic injection; Paraventricular nucleus; Rat; Scratching (Van Erp, A.M.M. (603) 296)

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Adrenocorticotropin
Psychological stress; Footshock; Corticotropin-releasing hormone; Arousal; Pentobarbital; CRH-receptor antagonist; Catecholamine (Shibasaki, T. (618) 71)

Repeated stress; Corticotropin-releasing hormone; Vasopressin; Paraventricular nucleus; Glucocorticoid (Kiss, A. (630) 262)

Adrenocorticotropin hormone
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Adrenoreceptor
Vasopressin; Antidiuretic hormone; Prostaglandin; Dopamine receptor; Meclofenamate; Phenylephrine; Angiotensin II; Brain (Yamaguchi, K. (607) 149)

Adult
Vitamin E; Hippocampus; Monoamine; Rat (Castaño, A. (604) 154)

Benzodiazepine (ω) modulatory site subtype; Autoradiographic distribution; Newborn; Rat; Central nervous system (Benavides, J. (604) 240)

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Adult spinal cord
Axon growth; Fiber tract; Embryonic transplant; Regeneration; Myelin (Li, Y. (629) 115)

AF64A
Acetylcholine; Aging; 2-Deoxyglucose; Brain slice; Cerebral cortex; Hippocampus; Muscarinic; Nicotinic (Shibata, S. (603) 248)

Affective disorder
Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging (Arango, V. (630) 271)

Afferent
Rat; Ventral root; Pia mater; Axon; Immunohistochemistry; Substance P; Calcitonin gene-related peptide (Karlsson, M. (600) 298)

Afferent axon
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Afterdischarge
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Afterhyperpolarization
Intracellular; Central amygdaloid nucleus; Accommodation; In vitro; Electrophysiology; Current clamp (Schiess, M.C. (604) 283)

Amygdala; K^+ current; Carbachol; Accommodation (Womble, M.D. (621) 87)

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Sigma; Dystonia; DTG; Movement; Red nucleus; Receptor (Hemstreet, M.K. (627) 291)

Behavior; Dopamine; Rat; Receptor; Serotonin; Striatum; Substantia nigra; Tachykinin; Ventral tegmental area (Stoessl, A.J. (632) 21)

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Acetylcholine; 2-Deoxyglucose; Brain slice; AF64A; Cerebral cortex; Hippocampus; Muscarinic; Nicotinic (Shibata, S. (603) 248)

Rat; Striatum; Dopamine receptor; Dopamine D_1 receptor; Dopamine D_2 receptor; High-affinity state; Adenylate cyclase (May, T. (604) 106)

Choline acetyltransferase; High-affinity choline uptake; Spatial learning; Hippocampus; Cortex; Striatum (Dunbar, G.L. (604) 266)

Dopamine; Estrogen; Hormone; Sex difference; Corpus striatum (McDermott, J.L. (606) 118)

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Nucleus basalis of Meynert; Choline acetyltransferase; Acetylcholinesterase; Nerve growth factor (Santucci, A.C. (609) 327)

Entrainment; Reserpine; Catecholamine; Serotonin (Penev, P.D. (612) 156)

Alzheimer's disease; Cytoskeleton; Oxidation; Tau (Troncoso, J.C. (613) 313)

δ Opioid receptor; Guinea pig; Autoradiography; Motor circuitry (Hiller, J.M. (614) 86)

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Adenylate cyclase; cAMP; Guanosine nucleotide analog; Forskolin; Rat; Striatum; Nucleus accumbens (Sugawa, M. (618) 57)

Norepinephrine; Motor learning; Cerebellum (Bickford, P. (620) 133)

Long-term potentiation; Paired-pulse facilitation and inhibition; Fimbria; Lateral septum; Mouse (Garcia, R. (620) 229)

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Brain; Muscarinic cholinergic receptor; Depolarization; Inositol phosphate; Intracellular calcium (Hartmann, H. (622) 86)

Tyrosine hydroxylase; Cold stress; Sympathetic nerve; Neuropeptide Y; Superior cervical ganglion (Andrews, T. (624) 69)

Brain; Enkephalin; Human; Leu-enkephalin; Met-enkephalin; Opioid (Rinne, J.O. (624) 131)

Cholinergic; Dementia; Immunocytochemistry; Neurotensin; Somatostatin; Substance P (Benzing, W.C. (625) 125)

Noradrenaline; Neuropeptide Y; α-Adrenoceptor; Brainstem; Hypothalamus (Huguet, F. (625) 256)

Astrocyte; αB-crystallin; Cysteamine; Glucose-regulated protein; Heat shock protein; Ubiquitin (Mydlarski, M.B. (627) 113)

Astrocyte; Immunohistochemistry; Polymerase chain reaction; Cysteine protease inhibitor; Cystatin (Yasuhara, O. (628) 85)

Morphometry; Mitochondrion; Cerebellum; Mitochondrial plasticity; Synaptic mitochondrion; Brain aging (Bertoni-Freddari, C. (628) 193)

Axonal transport; Trophic support; Neural degeneration; Microtubule; Cytoskeleton (Viancour, T.A. (628) 209)

Brain; Synaptic adhesion; Plasticity (Bahr, B.A. (628) 286)

Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Affective disorder (Arango, V. (630) 271)

Hypothalamus; Alzheimer's disease; Activation; Microwave; Golgi apparatus; Supraoptic nucleus; Paraventricular nucleus (Lucassen, P.J. (632) 105)

Acetylcholine; Opioid peptide; *N*-Methyl-D-aspartate; Hippocampus; Long-term potentiation; Long-term depression (Pang, K. (632) 150)

Diabetes mellitus; Blood–brain barrier; Endothelial barrier antigen (Mooradian, A.D. (909) 41)

Agonist
Serotonin; Food intake; Ingestion; Hindbrain, Rat (Edwards, G.L. (628) 321)

AIDS
NMDA; Neurotoxicity; Glutamate; D-Aspartate β-hydroxamate; Memantine; DFMO; Anti-tumor (Lockhart, B.P. (630) 32)

AIDS dementia
Mycoplasma; Tumor necrosis factor-α; Astrocyte; Dexamethasone; Corticosterone; Multiple sclerosis (Brenner, T. (608) 273)

Airway control
Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Cough reflex; Ondine's curse; Respiratory control; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

(+)-AJ 76
Dopamine autoreceptor antagonist; Cocaine; Amphetamine; Self-administration; Conditioned place preference; Rat (Richardson, N.R. (619) 15)

A kinase
Substantia nigra; Taurine; Cyclic AMP; Acute dissociated neuron; Voltage clamp (Inomata, H. (615) 347)

D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin
Morphine; Tolerance; Analgesia; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; B_{max}; K_d; Brain; Spinal cord (Thorat, S.N. (615) 191)

Alcohol
Opiate antagonist; Microdialysis; Serotonin; Dopamine metabolite; 5-HIAA (Benjamin, D. (621) 137)

Protein kinase C; Protein kinase A; Phorbol ester; Nerve growth factor; Fibroblast growth factor (Roivainen, R. (624) 85)

Acetylcholine; Barrel; Diagonal band of Broca; Nucleus basalis; Dementia (Miller, M.W. (627) 104)

Cholecytokinin; Cerebrospinal fluid; Spinal cord; Glucose; Eating; Depression; Alcoholism; Central nervous system (Geracioti Jr., T.D. (629) 260)

Octanol; Benzodiazepine; γ-Aminobutyric acid; $GABA_A$ subunit; Cloned $GABA_A$ receptor; Human kidney cell line (Kurata, Y. (631) 143)

Alcohol consumption
Hypothalamic graft; Angiotensin II immunoreactivity; Subfornical organ; Paraventricular nucleus; Rapp SS/Jr rat (Lança, A.J. (632) 287)

Alcoholic
Guanine nucleotide binding protein; Immunoblotting; Photoaffinity labeling; Ethanol; Transmembrane signaling (Ozawa, H. (620) 174)

Alcohol intake
Naltrindole; β-Funaltrexamine; Naltrexone; Opiate receptor; Mu; δ Opioid receptor; Mouse (Lê, A.D. (630) 330)

Alcoholism
Cholecytokinin; Cerebrospinal fluid; Spinal cord; Glucose; Eating; Depression; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Aldosterone
Na^+,K^+-ATPase; Ouabain; Cochlea; Vestibule; Receptor (Pitovski, D.Z. (601) 273)

Algesic chemical
Bradykinin; Capsaicin; Chemoreceptor; Mechanoreceptor; Nociceptor; Visceral afferent (Hong, S.K. (622) 215)

Allethrin
Pyrethroid; Sodium channel; Tetrodotoxin; Dorsal root ganglion; Insecticide (Ginsburg, K.S. (627) 239)

Allodynia
Peripheral nerve injury; Causalgia; Hyperalgesia (Sheen, K. (610) 62)

Allotetrahydrodeoxycorticosterone
6-Hydroxydopamine; Paraventricular nucleus; Catecholamine; Social interaction test; Stress corticosterone (Kellogg, C.K. (609) 244)

Allylnitrile
5,7-Dihydroxytryptamine; *N*-(2-Chloroethyl)-*N*-ethyl-2-bromobenzylamine; Head twitching; 5-Hydroxytryptamine; Noradrenaline (Tanii, H. (626) 265)

Alpha motoneuron
Motor neuron disease; Degeneration; Trk; Neurotrophin; In situ hybridization (Seeburger, J.L. (621) 111)

Altitude
Nimodipine; Acetylcholine; Choline; Hypoxia; Microdialysis (Shukitt-Hale, B. (621) 291)

Aluminum
Alzheimer's disease; Tau; Microtubule; Cytoskeleton; Deferoxamine (Scott, C.W. (628) 77)

Inositol phosphate; Muscarinic receptor; Adrenergic receptor; Metabotropic receptor; Brain slice (Shafer, T.J. (629) 133)

Aluminum (Al^{3+})
Voltage-activated calcium channel current; Rat dorsal root ganglion cell; Channel block; Alzheimer's disease (Büsselberg, D. (622) 163)

Alz-50
Striatum; Immunohistochemistry; Heat-shock protein; NADPH diaphorase; Tau protein (Nelson, P.T. (600) 285)

Neural graft; β-Amyloid; Neurodegeneration; Neurofibrillary tangle; Plaque; Immunocytochemistry; Hippocampus; Animal model (Stoll, J. (610) 295)

Amyloid β-protein; Immunocytochemistry; Neuropeptide; Paired-helical filament; Pathogenesis; Senile plaque (Benzing, W.C. (619) 55)

Alzheimer's disease
Denatured tau polymer filament; Freeze-dried Pt-C replicated neurofibrillay tangle; Neurofibrillary pathology (Ruben, G.C. (601) 1)

Microglia; C3 protein; β/A4 amyloid protein; Synthetic peptide; Senile plaque (Haga, S. (601) 88)

Amyloid; Glycosaminoglycan; Heparan sulfate; Proteoglycan; SKNSH-SY 5Y neuroblastoma cell (Buée, L. (601) 154)

Tau; Ghost tangle; Processing; Abnormal phosphorylation (Endoh, R. (601) 164)

Excitatory amino acid; Fura-2; Hippocampus; Human neuron; Laser microprobe mass spectrometry; Neuron death; Tau; Ubiquitin (Mattson, M.P. (602) 21)

Amyloid precursor protein; Antibody; Rat; Memory; Passive avoidance; Active avoidance (Huber, G. (603) 348)

cAMP-dependent protein kinase; Calcium/calmodulin-dependent protein kinase II; Tau; Tubulin; Calpain (Litersky, J.M. (604) 32)

Huntington's disease; Dystrophic neurite; Parkinson's disease; Pick's disease; Neurodegenerative disease (Benzing, W.C. (606) 10)

Rhesus monkey; Prorhinal cortex; Perirhinal cortex; Superior temporal sulcus; Cytochrome oxidase; In situ hybridization; Cortico-cortical connection (Chandrasekaran, K. (606) 213)

Amyloid precursor protein; Microtubule-associated protein 2; Transient global ischemia; Four-vessel occlusion (Robison, P.M. (608) 334)

Supraoptic nucleus; Paraventricular nucleus; Hypothalamus; Human; Morphometry (De Lacalle, S. (609) 154)

Parkinson's disease; Huntington's disease; Calcium channel; Dihydropyridine L-type channel; Brain aging (Sen, A.P. (611) 216)

Cytoskeleton; Microtubule-associated protein (Scott, C.W. (611) 237)

Aging; Cytoskeleton; Oxidation; Tau (Troncoso, J.C. (613) 313)

Epidermal growth factor receptor; Dementia; Endothelial cell; Vasculature; Blood–brain barrier; Pituitary; Epidermis (Styren, S.D. (615) 181)

Membrane; Lipid bilayer instability; Neurodegeneration; Critical temperature (Ginsberg, L. (615) 355)

Adenosine A_1 receptor; κ_1 Opioid receptor; Striatum; Autoradiography; Presynaptic (Ikeda, M. (616) 211)

Gerstmann–Sträussler–Scheinker disease; Neurofibrillary tangle; Paired helical filament; Tau; A68 (Tagliavini, F. (616) 325)

Lewy body variant of Alzheimer's disease; GAP-43; Aberrant sprouting; Amyloid precursor protein (Masliah, E. (617) 258)

Acetylcholine; Cerebral glucose metabolism; Cognitive enhancer; 2-Deoxy-D-[1-^{14}C]glucose; Neurotransmitter releaser (Dent, G.W. (620) 7)

Nucleus basalis; Gene expression; Senile plaque (Forloni, G. (620) 292)

Fura-2; Glutamate; Hippocampus; Nerve growth factor; Neurotoxicity (Mattson, M.P. (621) 35)

Cholinergic; Muscarinic; Norepinephrine; Fura-2; Cell culture (Whittemore, E.R. (621) 59)

Amyloid; Ruffling; PC12 cell; Genetic transfection (Maestre, G.E. (621) 145)

Astrocyte; α_1-Antichymotrypsin; Cathepsin G; Glial fibrillary acidic protein; Gliosis; Serine protease; Protease inhibitor (Abraham, C.R. (621) 222)

G-protein; Adenylate cyclase; Na^+,K^+-dependent ATPase; Human brain (Ross, B.M. (622) 35)

Nicotine; Serotonin; Water maze; Passive avoidance; Dose–response (Riekkinen, M. (622) 139)

Voltage-activated calcium channel current; Rat dorsal root ganglion cell; Aluminum (Al^{3+}); Channel block (Büsselberg, D. (622) 163)

Autoradiography; 1,3-Di-*o*-tolylguanidine; Human hippocampus; σ Opioid receptor (Jansen, K.L.R. (623) 299)

β-Amyloid; Aggregation; Ramified microglia; Senile plaque (Korotzer, A.R. (624) 121)

Axonal dystrophic neurite; Tau; Paired helical filament; Hippocampal formation; Immunocytochemistry; Neuropathology (Su, J.H. (625) 228)

Aurintricarboxylic acid; Interleukin-1; β-Amyloid precursor protein (Joseph, R. (625) 244)

Amyloid; Heparan sulfate; Proteoglycan (Buée, L. (627) 199)

Tau; Aluminum; Microtubule; Cytoskeleton; Deferoxamine (Scott, C.W. (628) 77)

Amyloid β-protein; Casein kinase; Protein phosphorylation; Protein kinases (Chauhan, A. (629) 47)

PET; Glucose metabolism; Behavior; Dementia (Jagust, W.J. (629) 189)

Acute phase protein; Interleukin-1β; Interleukin-1 receptor antagonist; Interleukin-6; α2-Macroglobulin; C-reactive protein (Wood, J.A. (629) 245)

Cerebral cortex; Ca^{2+}; K^+; Ion channel (Ikeda, M. (630) 50)

Amyloid P component; Amyloid β-protein; Complement; Immunocytochemistry; Neocortex (Kalaria, R.N. (631) 151)

Cholinergic neuronal loss; Thiamine diphosphatase; Thiamine-dependent enzyme; Thiamine neurochemistry (Rao, V.L.R. (631) 334)

Adrenoceptor; Cortical pyramidal neuron; $GABA_A$ receptor; Kainate receptor; Muscarinic receptor; Phosphoinositide-linked receptor (Chessell, I.P. (632) 86)

Hypothalamus; Aging; Activation; Microwave; Golgi apparatus; Supraoptic nucleus; Paraventricular nucleus (Lucassen, P.J. (632) 105)

Opioid receptor; Amygdala; Frontal cortex; Putamen; GTP analog; Autoradiography; Human brain (Barg, J. (632) 209)

Amacrine cell
Melatonin; Tryptophan hydroxylase; Retina; Kainic acid; Serotonin; Bipolar cell (Thomas, K.B. (601) 303)

Amantadine
Memantine; Glutamate; *N*-Methyl-D-amphetamine neuron; Excitotoxicity; Neurotoxicity (Weller, M. (613) 143)

Amastatin
Angiotensin; Bestatin; Rostral ventrolateral medulla; Blood pressure (Sasaki, S. (600) 335)

Ambiguus nucleus
Fictive swallowing; Superior laryngeal nerve; Antidromic mapping; Hypoglossal nucleus (Ezure, K. (632) 216)

Amiloride
Taste bud; Na transport; Lingual epithelium; Taste transduction (Simon, S.A. (615) 218)

Amine uptake
Thyroid hormone; Thyroxine; Triiodothyronine; Hypo- and hyperthyroidism; Desmethylimipramine; Tricyclic antidepressant; Norepinephrine (Gordon, J.T. (626) 175)

Amino acid
R-PIA; Theophylline; Veratridine; Cerebral ischemia; Microdialysis (Heron, A. (608) 27)

Spreading depression; Cerebral ischemia; Microdialysis; Ischemic penumbra; Migraine; Stroke (Fabricius, M. (612) 61)

Transport kinetics; Cell volume regulation; Osmolality (Beetsch, J.W. (613) 10)

Olfactory nerve recovery; Lateral olfactory tract regeneration; Behavior; Goldfish (Von Rekowski, C. (618) 338)

NMDA; Brainstem; Startle; Pontis caudalis (Miserendino, M.J.D. (623) 215)

D-Amino acid
Taste enhancement; Chorda tympani; Saccharin; Sweet taste receptor site; Mouse strain difference (Ninomiya, Y. (626) 287)

Amino acid release
Astrocyte culture; Cell damage; Cell swelling (Kimelberg, H.K. (622) 237)

γ-Aminobutyric acid
Glial fibrillary acidic protein; Vimentin; Reactive astrocytes and ischemia (Lin, R.C.S. (600) 1)

Parvalbumin; Calbindin-D_{28k}; Piriform cortex; Co-localization; Basket cell (Kubota, Y. (600) 339)

Action potential; Anoxia; Bicuculline; Ischemia; Myeli; Neurotransmitter; Receptor; Spinal cord injury (Lee, M. (601) 14)

Glutamate; Glycine; Benzodiazepine; *N*-Methyl-D-aspartate; Quisqualate; Dorsal horn; Substantia gelatinosa; γ-Aminobutyric $acid_A$; γ-Aminobutyric $acid_B$ (Albin, R.L. (604) 354)

γ-Aminobutyric $acid_A$
α-Difluoromethylornithine; Hippocampus; CA1; Putrescine; Ornithine decarboxylase (Ferchmin, P.A. (601) 95)

Glutamate; γ-Aminobutyric acid; Glycine; Benzodiazepine; *N*-Methyl-D-aspartate; Quisqualate; Dorsal horn; Substantia gelatinosa; γ-Aminobutyric $acid_B$ (Albin, R.L. (604) 354)

γ-Aminobutyric $acid_B$
Glutamate; γ-Aminobutyric acid; Glycine; Benzodiazepine; *N*-Methyl-D-aspartate; Quisqualate; Dorsal horn; Substantia gelatinosa; γ-Aminobutyric $acid_A$ (Albin, R.L. (604) 354)

Striatum; Dopamine D_2 receptor; Circling behavior; Mediodorsal thalamus; Serotonin 5-HT_1 receptor; Transgenic insertional mutant; Hyperactivity (Fitzgerald, L.W. (608) 247)

Type I hair cell; Vestibular system; Semicircular canal; Ionic current; Cytosolic calcium; Guinea-pig (Lapeyre, P.N.M. (609) 269)

Anesthetic; Volatile; Halothane; Chloride channel; Chloride influx; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Non-genomic; Sexual behavior; Steroid; Membrane (Frye, C.A. (612) 130)

Amygdala; Synaptic potential; Opioid (Sugita, S. (612) 151)

Benzodiazepine receptor; Naloxone; Morphine; Met-enkephalin (Rocha, L. (612) 247)

Hypothalamus; Rat; Cell body stimulation; Attack; Digging; Gnawing; Feeding; Drinking (Roeling, T.A.P. (615) 121)

Picrotoxin; γ-Butyrolactone; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric acid receptor (Holland, K.D. (615) 170)

Taste; Inhibition; Synaptic transmission; Brain slice (Wang, L. (616) 144)

Calcium channel; Hippocampus; ω-Conotoxin; Glutamate; G-protein; Neurotransmitter release (Potier, B. (616) 236)

Substantia nigra; Dopamine; Double labeling; Immunohistochemistry; Nigrotectal neuron; Glutamic acid decarboxylase; Tyrosine hydroxylase (Mendez, I. (617) 274)

Funnel web spider; *Hadronyche versutus*; Versutoxin; Neurotoxin; Synaptic potential; Locus coeruleus; Laterodorsal tegmental nucleus; Trigeminal nucleus; Glutamate (Chieng, B. (626) 136)

Norepinephrine; Human neocortex; Release; Slice; Synaptosome (Ferraro, L. (629) 103)

Hypoxia-ischemia; Rat; Perinatology; Cerebral cortex; Glutamic acid decarboxylase; Epilepsy; Immunofluorescence; Confocal laser scanning microscopy (Romijn, H.J. (630) 315)

Alcohol; Octanol; Benzodiazepine; $GABA_A$ subunit; Cloned $GABA_A$ receptor; Human kidney cell line (Kurata, Y. (631) 143)

Neostriatum; ω-Conotoxin; BAPTA-AM; Antidromic stimulation; Na^+ permeability (Bernath, S. (632) 232)

γ-Aminobutyric acid enhancement
$GABA_A$ receptor complex; ω_1 modulatory binding site; [^{3}H]Zolpidem binding; Rat central nervous system; Membrane; Autoradiography (Ruano, D. (600) 134)

γ-Aminobutyric acid-immunoreactive neuron
Cell culture; Human spinal cord; Thienylphencyclidine; Computer microscope; Principal component analysis (Calvet, M.-C. (608) 299)

γ-Aminobutyric acid receptor
Picrotoxin; γ-Aminobutyric acid; γ-Butyrolactone; *t*-Butylbicyclophosphorothionate (Holland, K.D. (615) 170)

γ-Aminobutyric acid$_B$ receptor
Release; Synaptosome; Glutamate release; Aspartate release; γ-Aminobutyric acid$_B$ receptor subtype (Pende, M. (604) 325)

Respiration; Respiratory neuron; Baclofen; CGP 35348; Cat (Pierrefiche, O. (605) 77)

γ-Aminobutyric acid$_B$ receptor subtype
Release; Synaptosome; γ-Aminobutyric acid$_B$ receptor; Glutamate release; Aspartate release (Pende, M. (604) 325)

γ-Aminobutyric acid release
Retina cell; Glutamate; Calcium; Nitrendipine; ω-Conotoxin GVIA; NNC-711 (Duarte, C.B. (611) 130)

γ-Aminobutyric acid transport
Lipid peroxidation; Synaptosome; Calcium transport (Palmeira, C.M. (609) 117)

***p*-Aminoclonidine**
Quantitative receptor autoradiography; [^{3}H]prazosin; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

1-Aminocyclopropanecarboxylic acid
N-methyl-D-aspartate receptor; Cerebellar granule cell culture; Desensitization neurotoxicity; HA-966 (Boje, K.M. (603) 207)

Aminoglutethimide
Corticosterone; Steroid receptor; Pentylenetetrazol; Convulsion; Mouse (Roberts, A.J. (626) 143)

D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid
Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

α-Amino-3-hydroxy-5-methylisoxazole-4-propionate
6-Cyano-7-nitroquinoxaline-2,3-dione; Kainate; Glutamate receptor; GluR; Autoradiography; *Xenopus* brain (Barnes, J.M. (626) 259)

Aminooxyacetic acid
Energy metabolism; Excitotoxicity; Glutamate; Metabotropic; NMDA; Neonatal rat brain (McDonald, J.W. (624) 239)

Aminopeptidase A
Glutamyl aminopeptidase; Membrane alanyl aminopeptidase; Cerebrovasculature; Angiotensin II; Angiotensinase (Song, L. (606) 286)

Glutamyl aminopeptidase; Cerebrovasculature; Angiotensin II; Angiotensinase; Pericyte (Healy, D.P. (606) 295)

Aminopeptidase M
Tyr-aminopeptidase; Bestatin; Puromycin; Estrous cycle; Rat brain (De Gandarias, J.M. (620) 146)

2-Amino-4-phosphonobutanoic acid
Glutamate; Hippocampus; CA1 pyramidal cell; Excitatory amino acid (Schulte, M.K. (605) 85)

2-Amino-5-phosphonovalerate
Long-term potentiation; Hippocampal slice; CA1 neuron; α-Tocopherol; L-Ascorbic acid; Free radical; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential (Xie, Z. (604) 173)

4-Aminopyridine
Action potential; Periaxonal space; Potassium channel; Tetraethylammonium; Ectopic firing; Positive symptom (Kapoor, R. (611) 165)

Evoked potential; Cytochrome; Redox state; Oxygen; Neuron; Glia; Olfactory cortex slice (Saito, T. (612) 9)

Taste; Potassium channel; Chorda tympani nerve; Salt taste; Channel blocker (Kim, M. (612) 96)

Tetraethylammonium; Potassium channel; Cone photoreceptor; Horizontal cell; Retina; Turtle (Perlman, I. (619) 89)

Amitriptyline
Luteinizing hormone-releasing hormone; Immunocytochemistry; Antidepressant; Behavior; Organum vasculosum of lamina terminalis (Jain, M.R. (604) 7)

Ammonium ion
CA1 Pyramidal neuron; Hippocampal slice; Synaptic transmission; Quisqualate; *N*-Methyl-D-aspartate (Fan, P. (632) 225)

Amnesia
Morphine; Tolerance; Arginine vasopressin; Brain ischemia; Hypoxia; Scopolamine; Electroconvulsive shock (Sugimachi, N. (609) 93)

Nitric oxide; Learning and memory; Chick; Passive avoidance (Hölscher, C. (619) 189)

cAMP
Respiratory rhythm; Pre-I neuron; Rostral ventrolateral medulla; Newborn rat; in vitro (Arata, A. (605) 193)

Adenylate cyclase; Guanosine nucleotide analog; Forskolin; Aging; Rat; Striatum; Nucleus accumbens (Sugawa, M. (618) 57)

Rolipram; PC12; Differentiation (Akaike, N. (620) 58)

Metabotropic glutamate receptor; mGluR2 mRNA; Forskolin; Brain slice (Genazzani, A.A. (622) 132)

Neuroblastoma; GM_3 antibody; Differentiation; $pp60^{c\text{-}src}$ (Chakraborty, M. (625) 197)

Polymodal receptor; Visceral nociceptor; Sensitization; Prostaglandin E_2; Bradykinin; EP receptor subtype; Nerve discharge (Kumazawa, T. (632) 321)

AMPA
Locomotion; NBQX; Excitatory amino acid; Quinoxaline (Boldry, R.C. (600) 331)

Medulla; Cat; Sympathoinhibition; Kynurenic acid; Cardiovascular tone; Baroreflex (Dempesy, C.W. (603) 328)

Calpain; Excitotoxicity; Cerebellum; Proteolysis; Purkinje cell (Caner, H. (607) 354)

Purkinje cell; Cerebellum; Excitatory amino acid; Serotonin; *t*-ACPD (Netzeband, J.G. (608) 145)

Glucose deprivation; Hippocampal slice; Hypoxia; Kainate; Neuronal damage (Schurr, A. (614) 10)

t-ACPD; AP-7; Blood pressure; DNQX; Heart rate; Kainate; NMDA; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

Brainstem slice; Calcium; CNQX; Magnesium; Neuropeptide; Voltage-clamp (Alberi, S. (624) 326)

AP-7; Blood pressure; DNQX; Epinephrine; Glutamate; Heart rate; Kainate; Mesenteric artery; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

Kainic acid; Quisqualic acid; NMDA; Excitotoxin; Non-NMDA glutamate antagonist; NBQX; Hippocampus (Lees, G.J. (628) 1)

Dopamine release; $GABA_B$; NMDA; Kainate; Baclofen (Santiago, M. (628) 187)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; KA; NMDA (Stanley, B.G. (630) 41)

Extracellular recording; Ionotropic receptor; Metabotropic receptor; Cultured cerebellar neuron; Quisqualate; ACPD (Fox, E.A. (631) 59)

cAMP-dependent protein kinase
cAMP phosphodiesterase; Autoradiography; Hippocampus; Gerbil; Cerebral ischemia (Murase, K. (602) 234)

Calcium/calmodulin-dependent protein kinase II; Alzheimer's disease; Tau; Tubulin; Calpain (Litersky, J.M. (604) 32)

cAMP-dependent protein phosphorylation
Lidocaine; Cyclic AMP; Na^+current; Protein kinase; *Euhadra* neuron (Onozuka, M. (628) 335)

Amphetamine
Cocaine; Protein synthesis inhibitor; Anisomycin; Cycloheximide; Behavioral sensitization; Mouse (Karler, R. (603) 19)

Calcium; Neurotoxicity; Glutamate; Anticonvulsant; Voltage-sensitive channel (Finnegan, K.T. (603) 134)

Corticotropin-releasing factor; Sensitization; Pituitary adrenocortical system; Rat (Cador, M. (606) 181)

2-Deoxyglucose autoradiography; Regional cerebral glucose utilization; Dopamine D_1 receptor; Dopamine D_2 receptor; Basal ganglia (Trugman, J.M. (607) 270)

Callosotomy; Dodging; Thigmotaxis; Lateralized behavior; Rotational behavior; Striatum; Apomorphine; Interhemispheric (Sullivan, R.M. (609) 347)

Estrogen; Ovariectomy; Castration; Dopamine release; Stereotyped behavior; Quantitative microdialysis (Castner, S.A. (610) 127)

Substance P; Neostriatum; Nucleus accumbens; Release (Furmidge, L.J. (610) 234)

Food restriction; Addiction; Sensitization; Corticosterone; Morphine; Locomotor activity (Deroche, V. (611) 352)

Morphine; 6,7-Dinitroquinoxaline-2,3-dione; Nucleus accumbens; Conditioned place preference (Layer, R.T. (617) 267)

Dopamine autoreceptor antagonist; (+)-AJ 76; Cocaine; Self-administration; Conditioned place preference; Rat (Richardson, N.R. (619) 15)

Eticlopride; SCH 23390; Striatum; Sulpiride; Unit activity (Rosa-Kenig, A. (619) 347)

Corticosterone; Sensitization; Locomotor activity; Stress (Pauly, J.R. (620) 195)

Substantia nigra pars reticulata; Dopamine; Rodent; Dopamine D_1 receptor; SCH 23390; Sulpiride; Apomorphine; Striatonigral pathway (Yurek, D.M. (623) 56)

Freely moving rat; Haloperidol; Intrastriatal infusion; Single-unit recording; Striatum (Wang, Z. (627) 79)

Eating; Feeding; Neuropeptide Y; Dopamine; Hypothalamus; Perifornical hypothalamus; Neurotransmitter interactions (Gillard, E.R. (628) 128)

Substance P; DiMe-C7; Analgesia; Formalin test; Tonic pain; Tail-flick test; Ventral tegmental area; Midbrain dopamine system; Nucleus accumbens; Medial prefrontal cortex (Altier, N. (628) 279)

D-Amphetamine
Dopamine; Apomorphine; High performance liquid chromatography (HPLC); Rotation behavior; Parkinson's disease; Movement disorder (Hudson, J.L. (626) 167)

Iprindole; Dopamine; Glutamate; In vivo microdialysis; Neurotoxicity (Nash, J.F. (627) 1)

Ibogaine; Dopamine; Nucleus accumbens; Striatum; Microdialysis (Glick, S.D. (628) 201)

Amphetamine psychosis
Behavioral sensitization; Methamphetamine; Dopamine uptake site; [^{3}H]GBR12935 binding (Nakayama, M. (601) 209)

Amphiphilic
Choline acetyltransferase; *Drosophila*; *Torpedo*; Rat (Salem, N. (609) 223)

Amplitude modulated
Radio frequency; Carrier wave; Sub-harmonics; Acetylcholine esterase (Kunjilwar, K.K. (601) 321)

Amplitude modulation
Inferior colliculus; Development; Kitten; Auditory system (Brugge, J.F. (615) 199)

cAMP phosphodiesterase
cAMP-dependent protein kinase; Autoradiography; Hippocampus; Gerbil; Cerebral ischemia (Murase, K. (602) 234)

cAMP protein kinase
Phosphoprotein; RII binding protein; Stable microtubule; Cerebral cortex; Rat (Perez, J. (602) 77)

Amygdala
Local cerebral glucose utilization; Spontaneously epileptic rat; Autoradiography; [^{14}C]2-Deoxyglucose; Hippocampus; Interictal state; Hypometabolism (Saji, H. (601) 76)

Wet-dog shake; Methionine-enkephalin kindling; Electrical kindling; Kindling stage (Tanaka, T. (604) 149)

Ethanol dependence; Ethanol withdrawal; Corticotropin-releasing factor (Rassnick, S. (605) 25)

Kindled seizure; Substantia innominata; Procaine; Ipsilateral hemiconvulsive seizure; Elevation of seizure threshold (Mori, N. (610) 344)

Kindling; Brainstem; Interpeduncular nucleus; Bisection (Hirayasu, Y. (610) 354)

Synaptic potential; γ-Aminobutyric acid; Opioid (Sugita, S. (612) 151)

Serotonin uptake site; Serotonin 5-HT_2 receptor; Paroxetine binding; Ketanserin binding; Human brain; Suicide victims/depressives; Prefrontal cortex; Hypothalamus (Hrdina, P.D. (614) 37)

Androgen receptor; c-*fos*; Sexual behavior; Immunocytochemistry; Limbic system (Wood, R.I. (614) 65)

Kindled circuit; Piriform cortex; Dorsal hippocampus; Frontal cortex (McIntyre, D.C. (615) 1)

Epilepsy; Piriform cortex; Endopiriform nucleus; Afterdischarge (Wahnschaffe, U. (615) 295)

Kindling antagonism; Limbic system; Septal area (Kirkby, R.D. (616) 17)

Serotonin 5-HT_3 receptor; Schizophrenia; Antipsychotic treatment; LY278584 (Abi-Dargham, A. (616) 53)

Corticotropin-releasing hormone; Anterior pituitary; Corticotropin-releasing hormone receptor; Adrenocorticotropin hormone; Corticosterone; Cellular immunity (Hauger, R.L. (616) 283)

c-Fos; Pelvic nerve; Cervical stimulation; Lordosis; Preoptic area; Mating; Hypothalamus (Rowe, D.W. (621) 25)

K^+ current; Carbachol; Afterhyperpolarization; Accommodation (Womble, M.D. (621) 87)

Discrimination learning; Mult VI EXT reinforcement schedule; Mix VI EXT reinforcement schedule; Dopamine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid; microdialysis; Rat (Hori, K. (621) 296)

Hippocampus; Hypothalamus; Ventral striatum; Dorsal striatum; Frontal cortex; Corticosterone; Restraint stress; 6-Hydroxydopamine lesion; Dopamine (Casolini, P. (622) 311)

Corticotropin-releasing factor; Stress; Defensive behavior; Freezing (Swiergiel, A.H. (623) 229)

Periaqueductal gray; Dorsal raphe nucleus; Serotonin; Trigeminal nucleus; Orbital cortex; Nucleus accumbens; Rat (Li, Y.-Q. (623) 267)

Kindling; Epilepsy; Piriform cortex; Perirhinal cortex; Rat; Neural plasticity; Unit (Teskey, G.C. (624) 11)

c-*fos*; Fos; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Cocaine; Self-administration; SCH 23390; Nucleus accumbens; Fixed ratio; Progressive ratio (McGregor, A. (624) 245)

Kindling; Epilepsy; Piriform cortex; Perirhinal cortex; In vitro preparation; Electrophysiology (McIntyre, D.C. (624) 268)

Corticotropin-releasing factor; Stress ulcer; Noradrenaline (Ray, A. (624) 286)

Defensive rage behavior; Substance P; Neurokinin NK_1 receptor; CP-96,345; Cat; Predatory attack behavior; Hypothalamus (Shaikh, M.B. (625) 283)

Acoustic startle response; t-ACPD; Anxiety; Fear; Habituation; Metabotropic glutamate receptor; Rat (Koch, M. (629) 176)

Estrogen receptor; Immunocytochemistry; Preoptic area; Hypothalamus; Hamster (Li, H.-Y. (631) 304)

Kindling; Noradrenaline; Clonidine; Idazoxan; Yohimbine; Xylazine (Pelletier, M.R. (632) 29)

Opioid receptor; Alzheimer's disease; Frontal cortex; Putamen; GTP analog; Autoradiography; Human brain (Barg, J. (632) 209)

Amygdala stimulation
Bed nucleus; ACh; Atropine; Hexamethonium (Casada, J.H. (631) 124)

Amyloid
Alzheimer's disease; Glycosaminoglycan; Heparan sulfate; Proteoglycan; SKNSH-SY 5Y neuroblastoma cell (Buée, L. (601) 154)

Alzheimer's disease; Ruffling; PC12 cell; Genetic transfection (Maestre, G.E. (621) 145)

Alzheimer's disease; Heparan sulfate; Proteoglycan (Buée, L. (627) 199)

β-Amyloid
Neural graft; Alz-50; Neurodegeneration; Neurofibrillary tangle; Plaque; Immunocytochemistry; Hippocampus; Animal model (Stoll, J. (610) 295)

Alzheimer's disease; Aggregation; Ramified microglia; Senile plaque (Korotzer, A.R. (624) 121)

Amyloid β
β Protein precursor; Congophilic angiopathy; Smooth muscle; Vasculature (Kawai, M. (623) 142)

Amyloid β protein
Substance P; Phosphoinositide hydrolysis; UC-11MG astrocytoma cell (Di Stefano, M. (600) 166)

Amyloid β-protein
Alz-50; Immunocytochemistry; Neuropeptide; Paired-helical filament; Pathogenesis; Senile plaque (Benzing, W.C. (619) 55)

Alzheimer's disease; Casein kinase; Protein phosphorylation; Protein kinases (Chauhan, A. (629) 47)

Amyloid P component; Alzheimer's disease; Complement; Immunocytochemistry; Neocortex (Kalaria, R.N. (631) 151)

Amyloid β-protein precursor
Protease inhibitor; Neurite outgrowth; Blood coagulation (Wagner, S.L. (626) 90)

Extracellular matrix; Adhesion; Cytotoxicity (Schubert, D. (629) 275)

Amyloid P component
Alzheimer's disease; Amyloid β-protein; Complement; Immunocytochemistry; Neocortex (Kalaria, R.N. (631) 151)

Amyloid precursor protein
Oculopharyngeal muscular dystrophy; Inclusion body myositis; Rimmed vacuole; Cathepsin; Lysosome; Muscle biopsy (Villanova, M. (603) 343)

Antibody; Alzheimer's disease; Rat; Memory; Passive avoidance; Active avoidance (Huber, G. (603) 348)

Microtubule-associated protein 2; Transient global ischemia; Four-vessel occlusion; Alzheimer's disease (Robison, P.M. (608) 334)

Lewy body variant of Alzheimer's disease; GAP-43; Aberrant sprouting; Alzheimer's disease (Masliah, E. (617) 258)

β-Amyloid precursor protein
Aurintricarboxylic acid; Interleukin-1; Alzheimer's disease (Joseph, R. (625) 244)

Analgesia
Vaginal stimulation; Cervix uteri; Reflex inhibition (Cueva-Rolón, R. (600) 27)

Immobility; Animal hypnosis; Somatic sensory stimulation; Repeated noxious stimulation; Pinch (Fleischmann, A. (601) 28)

Estrogen; Progesterone; Ovarian steroid; Opioid (Dawson-Basoa, M.B. (601) 241)

Lidocaine; Glycine; Strychnine; Wide dynamic range neuron; Iontophoresis (Biella, G. (603) 201)

Thalamus; Nociception; Cat; Ascending inhibition; Nucleus raphe magnus (Koyama, N. (609) 298)

Antinociception; Fear; Anxiety; Stress; Forebrain; Learning; Pavlovian conditioning (Helmstetter, F.J. (612) 253)

Morphine; Tolerance; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,$MePhe^4$,Gly-ol^5-Enkephalin; B_{max}; K_d; Brain; Spinal cord (Thorat, S.N. (615) 191)

Morphine; Acute tolerance; Chronic tolerance; MK-801; Swiss Webster mouse (Lutfy, K. (616) 83)

Morphine; Naloxone; Stress; Opioid receptor; Tail-flick test (Levesque, D. (617) 176)

Naloxone; Magnetic field; Magnetic field – 60 Hz; Hypoalgesia; Nociception; Opiate antagonist; Magnetic-field-induced hypoalgesia (Kavaliers, M. (620) 159)

Regional superfusion; Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Nociception; Glycine; GABA; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

Dynorphin; Spinal cord; Pregnancy (Medina, V.M. (623) 41)

Thyrotropin-releasing hormone; U-50,488H; κ-Opiate agonist; Hypothermia; Mouse (Bhargava, H.N. (625) 120)

Substance P; DiMe-C7; Formalin test; Tonic pain; Tail-flick test; Ventral tegmental area; Midbrain dopamine system; Amphetamine; Nucleus accumbens; Medial prefrontal cortex (Altier, N. (628) 279)

Cannabinoid; Δ^9-Tetrahydrocannabinol; Receptor; Pain; Antinociception; Brain; Rat; WIN55,212-2; CP-55,940 (Martin, W.J. (629) 300)

Opioid; Nociception; Thalamus; Frontal cortex; Spinal cord (Coffield, J.A. (630) 252)

Analogue
L-Glutamate receptor; Stereoselectivity; *Drosophila*; Synaptic junction (Chang, Y.-C. (604) 86)

Androgen
Steroid hormone receptor; Immunoreactivity; Hypothalamus; Rat (Huang, X. (624) 309)

Androgenized female
Antidromic activation; Estrogen; Medial preoptic area; Sexual behavior; Sexual dimorphism; Testosterone; Ventral tegmental area (Hasegawa, T. (611) 1)

Androgen receptor
c-*fos*; Sexual behavior; Amygdala; Immunocytochemistry; Limbic system (Wood, R.I. (614) 65)

Anesthesia
Auditory evoked potential; Auditory cortex; Parallel auditory system; Rat (Simpson, G.V. (602) 251)

Benzodiazepine receptor; $GABA_A$ receptor; Isoflurane; Stereospecificity; *t*-Butylbicyclophosphorothionate (Moody, E.J. (615) 101)

Cerebral ischemia; Gerbil; Brain temperature; Hyperthermia (Colbourne, F. (623) 1)

Anesthesia state
In vivo microdialysis; Dopamine release; Striatum; Halothane dose; Blood pressure (Miyano, K. (605) 342)

Anesthetic
Kainate; Quisqualate; Excitatory amino acid; Pentobarbital; Barbiturate (Marszalec, W. (608) 7)

Volatile; Halothane; Chloride channel; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Phosphoinositide; Kindling; Cocaine; Lidocaine; Sodium; Batrachotoxin; Ibotenate (Margolis, R.L. (614) 185)

Cerebral vascular resistance; Inhalational; Isoflurane; Hemorrhage; Vasodilator; Nitric oxide (Chi, O.Z. (630) 214)

Anesthetic action
Anesthetic; Volatile; Halothane; Chloride channel; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding (Quinlan, J.J. (610) 224)

Anesthetized rabbit
Serotonin $5\text{-}HT_{1A}$ receptor; 8-Hydroxy-DPAT; Buspirone; Cardiac vagal motoneuron; Upper airway; Smoke (Futuro-Neto, H.A. (629) 349)

Anesthetized rat
Nitric oxide; Long-term potentiation; Dentate gyrus (Mizutani, A. (605) 309)

Herbimycin A; Lavendustin A; Tyrosine kinase; Long-term potentiation; Dentate gyrus (Abe, K. (621) 167)

Acetylcholine; Choline; Microdialysis; Electrical stimulation; Neostigmine; Striatum (Marshall, D.L. (629) 269)

Angiogenesis
Glucocorticoid; Glioma; Endothelial cell; Protease (Wolff, J.E.A. (604) 79)

Angiotensin
Amastatin; Bestatin; Rostral ventrolateral medulla; Blood pressure (Sasaki, S. (600) 335)

Angiotensin-(1–7)
Ventrolateral medulla; Angiotensin II; Vasomotor activity (Silva, L.C.S. (613) 321)

Sympathetic preganglionic neuron (Lewis, D.I. (614) 1)

Angiotensinase
Glutamyl aminopeptidase; Aminopeptidase A; Membrane alanyl aminopeptidase; Cerebrovasculature; Angiotensin II (Song, L. (606) 286)

Glutamyl aminopeptidase; Aminopeptidase A; Cerebrovasculature; Angiotensin II; Pericyte (Healy, D.P. (606) 295)

Angiotensin-converting enzyme
Angiotensin II receptor; GTPγS; Choroid plexus; Pituitary; Subfornical organ (Tsutsumi, K. (631) 212)

Angiotensin II
Choroid plexus; Cerebrospinal fluid; Rabbit (Maktabi, M.A. (606) 44)

Glutamyl aminopeptidase; Aminopeptidase A; Membrane alanyl aminopeptidase; Cerebrovasculature; Angiotensinase (Song, L. (606) 286)

Glutamyl aminopeptidase; Aminopeptidase A; Cerebrovasculature; Angiotensinase; Pericyte (Healy, D.P. (606) 295)

Vasopressin; Antidiuretic hormone; Prostaglandin; Dopamine receptor; Adrenoreceptor; Meclofenamate; Phenylephrine; Brain (Yamaguchi, K. (607) 149)

Subfornical organ; Paraventricular nucleus; Hemorrhage; Saralasin; Microiontophoresis; Baroreceptor reflex (Tanaka, J. (608) 141)

Dopamine; Microdialysis; Striatum (Mendelsohn, F.A.O. (613) 221)

Ventrolateral medulla; Angiotensin-(1–7); Vasomotor activity (Silva, L.C.S. (613) 321)

Cardiovascular regulation; Body fluid homeostasis; Plasma osmolality; Circumventricular organ (Rosas-Arellano, M.P. (619) 352)

Angiotensin II immunoreactivity
Hypothalamic graft; Alcohol consumption; Subfornical organ; Paraventricular nucleus; Rapp SS/Jr rat (Lança, A.J. (632) 287)

Angiotensin II-like peptide
Angiotensin II-like protein; Neuropeptide; Leech (Salzet, M. (631) 247)

Angiotensin II-like protein
Angiotensin II-like peptide; Neuropeptide; Leech (Salzet, M. (631) 247)

Angiotensin II receptor
Angiotensin-converting enzyme; GTPγS; Choroid plexus; Pituitary; Subfornical organ (Tsutsumi, K. (631) 212)

Angiotensin receptor subtype
Blood pressure; AT1; AT2; Intracerebroventricular (Toney, G.M. (603) 57)

2,5-Anhydro-D-mannitol
6-Hydroxydopamine; Feeding; Neonatal lesion; 2-Deoxy-D-glucose (Lu, Y. (617) 120)

Animal hypnosis
Analgesia; Immobility; Somatic sensory stimulation; Repeated noxious stimulation; Pinch (Fleischmann, A. (601) 28)

Animal model
Aging; Brain atrophy; Inbred mouse; Conditional avoidance; T-maze (Shimada, A. (608) 266)

Neural graft; Alz-50; β-Amyloid; Neurodegeneration; Neurofibrillary tangle; Plaque; Immunocytochemistry; Hippocampus (Stoll, J. (610) 295)

Behavioral sensitization; Dopamine; Stereotypy; Ventral tegmental area; Kindling; Schizophrenia (Glenthøj, B. (619) 39)

Epilepsy; Kindling; Experimental seizure (Bertram, E.H. (625) 295)

Anion exchange
pH; Hippocampus; Acid–base regulation; Development; Neuron; Cell culture (Raley-Susman, K.M. (614) 308)

Choroid plexus epithelium; $^{36}Cl^-$ efflux coefficient; Hydrocephalus; Intracranial pressure; Rat (Knuckey, N.W. (618) 313)

Anisomycin
Amphetamine; Cocaine; Protein synthesis inhibitor; Cycloheximide; Behavioral sensitization; Mouse (Karler, R. (603) 19)

Estradiol; Paraventricular nucleus; Protein synthesis; Food intake; Body weight; Lordosis (Butera, P.C. (624) 354)

Anolis
Circadian rhythm; Pineal; Melatonin; Reverse hemolytic plaque assay (Pickard, G.E. (627) 141)

Anorexia
Diabetes-associated peptide; Corpus striatum; Hypothalamus; 3-Methoxytyramine; Dopamine; Serotonin; Glucose; Calcitonin gene-related peptide (Chance, W.T. (607) 185)

Cocaine; Locomotion; Rearing; Grooming; Microstructural analysis (Cooper, S.J. (608) 45)

Anorexia nervosa
Vasopressin; Oxytocin; Dynorphin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Dorsal vagal complex; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Dynorphin; β-Endorphin; Exercise; Starvation; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

Anosmia
Olfaction; Olfactory threshold; Lateral olfactory tract; Olfactory sensitivity (Slotnick, B.M. (616) 132)

Anoxia
Action potential; Bicuculline; γ-Aminobutyric acid; Ischemia; Myeli; Neurotransmitter; Receptor; Spinal cord injury (Lee, M. (601) 14)

Metabolism; Ischemia; Excitotoxicity; Turtle brain; Microdialysis (Pérez-Pinzón, M.A. (602) 228)

Glycolysis; Mitochondria; Respiration; Synaptosome (Gleitz, J. (611) 286)

Axon; Calcium-mediated neuronal injury; Cytoskeleton; Microtubule; Neurofilament (Waxman, S.G. (614) 137)

Cell-attached patch; Whole-cell voltage clamp; Cyanide; In vitro (Jiang, C. (614) 352)

Astrocyte; Glutamate; Hypothermia; Ischemia (Huang, R. (618) 346)

MAP2; Cytoskeleton; Brain slice; In vitro (Kwei, S. (620) 203)

Anoxic depolarization
Neocortex; Hypoxia; Extracellular calcium; Verapamil; *N*-Methyl-D-aspartate antagonist; Brain slice (Kral, T. (612) 278)

Hypoxia; Ischemia; Spreading depression; Membrane current; Voltage clamp; Hippocampal slice (Czéh, G. (632) 195)

Antagonism by IBAT nerve denervation
Ventromedial hypothalamus electrical stimulation; Intrascapular brown adipose tissue temperature and blood flow; Laser Dopler flowmetry; Pressor and tachycardic response (Thornhill, J. (615) 289)

Antagonist-preferring form
N-Methyl-D-aspartate; NMDA recognition domain; Multiplicity; [^{3}H]CGP 39653 binding; [^{3}H]Glu binding (Pingping, Z. (609) 253)

Anterior cingulate area
In situ hybridization; Grain counting; GAD67 mRNA; Glutamic acid decarboxylase activity; Prelimbic area (Retaux, S. (611) 187)

Anterior coronal gyrus
Subthalamic nucleus; Corticosubthalamic projection; WGA-HRP; Cat (Noda, T. (605) 305)

Anterior pituitary
Vasoactive intestinal peptide; Hypothalamus; Arcuate-median eminence; Prolactin (Carrillo, A.J. (613) 281)

Corticotropin-releasing hormone; Amygdala; Corticotropin-releasing hormone receptor; Adrenocorticotropin hormone; Corticosterone; Cellular immunity (Hauger, R.L. (616) 283)

Anorexia nervosa; Dynorphin; β-Endorphin; Exercise; Starvation; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Posterior pituitary (Aravich, P.F. (622) 1)

Anterior / preoptic hypothalamus
Non-REM sleep; Brain temperature; Sleep deprivation; Sleep restriction; Thermoregulation (Morairty, S.R. (617) 10)

Anterior suprasylvian sulcus
Somatosensory cortex; Fifth somatosensory cortex; Intracortical microstimulation; Cat (Mori, A. (602) 143)

Anterior tegmental nucleus
Mammillary body; GABA; Dorsal tegmental nucleus; Ventral tegmental nucleus (Wirtshafter, D. (630) 188)

Anterograde amnesia
Long-term memory; Recent memory; Traumatic brain injury; Post-traumatic amnesia; Retrograde amnesia (Gorman, L.K. (614) 29)

Anterograde degeneration
Prelimbic cortex; Horseradish peroxidase; Electron microscope; Rat (Kuroda, M. (612) 339)

Anterograde tracing
Edinger–Westphal efferent; *Phaseolus vulgaris*-leucoagglutinin; Electron microscopy (Klooster, J. (632) 260)

Anterograde transport
Medial geniculate body; Afferent axon; Biocytin; *Phaseolus vulgaris* leucoagglutinin (McMullen, N.T. (620) 317)

Antibody
Anticonvulsant; Hippocampus; Kindling; Osmotic minipump; Rat; Seizure; Somatostatin (Monno, A. (602) 148)

Amyloid precursor protein; Alzheimer's disease; Rat; Memory; Passive avoidance; Active avoidance (Huber, G. (603) 348)

Ryanodine binding protein; Calcium ion channel; Purkinje neuron; Intracellular membrane system; Brain (Ouyang, Y. (620) 269)

Opioid receptor; Nervous system; Growth; Opioid growth factor; Development; Brain; Zeta (ζ) receptor; Biochemistry; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

α_1-Antichymotrypsin
Astrocyte; Alzheimer's disease; Cathepsin G; Glial fibrillary acidic protein; Gliosis; Serine protease; Protease inhibitor (Abraham, C.R. (621) 222)

Anticonvulsant
Carbamazepine; Cocaine; Pharmacogenetics; Pharmacokinetic; Inbred mouse strain; Seizure; Cytochrome P-450 (Marley, R.J. (600) 193)

Antibody; Hippocampus; Kindling; Osmotic minipump; Rat; Seizure; Somatostatin (Monno, A. (602) 148)

Calcium; Neurotoxicity; Amphetamine; Glutamate; Voltage-sensitive channel (Finnegan, K.T. (603) 134)

U-54494A; U-83892E; U-83894A; Sodium channel; Neuroblastoma cell; Patch clamp (Zhu, Y. (606) 50)

Lamotrigine; $GABA_A$; Sodium channel; Calcium channel; L-Glutamate; Benzodiazepine; Patch clamp (Lees, G. (612) 190)

Adenosine; Binding enhancer; Magnesium; Hippocampal slice; Seizure (Janusz, C.A. (619) 131)

5α-Pregnan-3α-ol-20-one; Progesterone; Epilepsy; Phenobarbital; Immunocytochemistry (Taubøll, E. (623) 329)

Anticonvulsant effect
Microdialysis; Desipramine; Yohimbine; Extracellular norepinephrine; Extracellular serotonin; Genetically epilepsy-prone rat (Yan, Q.-S. (610) 24)

Antidepressant
Luteinizing hormone-releasing hormone; Immunocytochemistry; Amitriptyline; Behavior; Organum vasculosum of lamina terminalis (Jain, M.R. (604) 7)

Adenylyl cyclase; β-Adrenoceptor; Dopamine receptor; MK-801; NMDA receptor; Quinpirole (De Montis, M.G. (606) 63)

Serotonin; Prolactin; Renin; Vasopressin; Corticosterone (Li, Q. (630) 148)

Antidepressant drug
Imipramine; Tianeptine; Stress; Hippocampus; Serotonin receptor; Serotonin transporter (Watanabe, Y. (615) 87)

Anti-diuretic effect
Oxytocin-like; FMRFamide-like; Sex segmental ganglia; Leech; Immunocytochemistry; Immunoassay; Reverse phase HPLC (Salzet, M. (601) 173)

Antidiuretic hormone
Vasopressin; Prostaglandin; Dopamine receptor; Adrenoreceptor; Meclofenamate; Phenylephrine; Angiotensin II; Brain (Yamaguchi, K. (607) 149)

Antidromic
CA1; NMDA; Synaptic activation; Firing blockade; Axon–soma transmission; In situ (Herreras, O. (616) 330)

Antidromic activation
Androgenized female; Estrogen; Medial preoptic area; Sexual behavior; Sexual dimorphism; Testosterone; Ventral tegmental area (Hasegawa, T. (611) 1)

Antidromic mapping
Fictive swallowing; Superior laryngeal nerve; Hypoglossal nucleus; Ambiguus nucleus (Ezure, K. (632) 216)

Antidromic stimulation
Neurogenic inflammation; Nociceptor; C-fiber; Morphine; Naloxone (Shakhanbeh, J. (607) 314)

γ-Aminobutyric acid; Neostriatum; ω-Conotoxin; BAPTA-AM; Na^+ permeability (Bernath, S. (632) 232)

Antiepileptic drug
Valproate; *trans*-2-en-Valproate; Diffusion; Cerebral cortex (Lücke, A. (631) 187)

Antiglucocorticoid
Learned helplessness; RU 38486; Dentate gyrus (Papolos, D.F. (615) 304)

Anti-idiotypic antibody
In vitro receptor autoradiography; Non-opioid γ-type endorphin; Neuropeptide; Mesocorticolimbic system; Topography (Ronken, E. (615) 63)

Anti-nerve growth factor
Female sex behavior; Vocalization; Rejection behavior; Nerve growth factor; Weight gain (Gibbs, R.B. (610) 256)

Antinociception
Morphine; Trigeminal; Dorsal horn; Thermoreception; Marginal zone (Mokha, S.S. (602) 205)

Porcine calcitonin; Sulfatide; Reverse-phase evaporation vesicles; Blood–brain barrier (Chen, D. (603) 139)

Morphine; Rostral ventromedial medulla; Awake rat (McGaraughty, S. (604) 331)

$GABA_B$ receptor; Nucleus raphe magnus; Spinal cord; L-Glutamate; CGP 35348; Phaclofen; Methysergide (McGowan, M.K. (607) 39)

Nitric oxide; Central gray; Brainstem; Longitudinal column (Onstott, D. (610) 317)

Footshock stress; Tail flick test; Stress induced analgesia; Mouse; κ Opioid receptor; Opioid (Menendez, L. (611) 264)

Morphine; Vagus; Blood pressure; Heart rate (Thurston, C.L. (612) 70)

Analgesia; Fear; Anxiety; Stress; Forebrain; Learning; Pavlovian conditioning (Helmstetter, F.J. (612) 253)

Nitric oxide; Opioid system; Inbred and outbred mouse strains (Quock, R.M. (614) 52)

Dopamine β-hydroxylase; Fluoro-Gold; Norepinephrine; *Phaseolus vulgaris*-leucoagglutinin; Pons; Retrograde tracer; Tyrosine hydroxylase (Clark, F.M. (616) 200)

Diabetes; β-Endorphin; Naltrindole; DAMGO; U-50,488H; DPDPE; Mouse (Kamei, J. (619) 76)

$GABA_A$ receptor; Nucleus raphe magnus; Nucleus gigantocellularis pars alpha; Spinal cord; Bicuculline; Isoguvacine; Diazepam (McGowan, M.K. (620) 86)

Morphine; Noradrenaline; α_2-Adrenoceptor; Pain; Spinal cord (Xu, X.-J. (621) 267)

Opiate tolerance; MK-801; Spinal cord; Tail flick test; NMDA (Gutstein, H.B. (626) 332)

Cannabinoid; Δ^9-Tetrahydrocannabinol; Receptor; Pain; Analgesia; Brain; Rat; WIN55,212-2; CP-55,940 (Martin, W.J. (629) 300)

Anti-NPY γ-globulin
Neuropeptide Y; Feeding behavior; Paraventricular nucleus; Immunoneutralization; Arcuate nucleus (Shibasaki, T. (601) 313)

Anti-opiate peptide
Tyr-MIF-1; Opiate dependence; Opiate abstinence; Morphine; Rat (Malin, D.R. (610) 169)

Antioxidant
Kainic acid; Excitotoxicity; Lipid peroxidation; Oxidative stress; Oxgyen radical; Cerebellar granule cell (Puttfarcken, P.S. (624) 223)

Antioxidant defense
Ascorbate; Dehydro-L-ascorbic acid reductase; Oxygen radical scavenger (Rose, R.C. (628) 49)

Antioxidant enzyme
Hyperthermia; Hypothalamus; Interleukin; Radiation (Kandasamy, S.B. (606) 106)

Anti-peptide antibody
Serotonin $5\text{-}HT_2$ receptor; Rat; Basal forebrain (Garlow, S.J. (615) 113)

Anti-peptide antiserum
Dopamine receptor; Distribution; Rat (Ariano, M.A. (609) 71)

Antipsychotic treatment
Serotonin $5\text{-}HT_3$ receptor; Schizophrenia; Amygdala; LY278584 (Abi-Dargham, A. (616) 53)

Antipyresis
Endogenous pyrogen; Ventral septal area; Lateral habenula; Cytokine (Wilkinson, M.F. (625) 342)

Anti-tumor
NMDA; Neurotoxicity; Glutamate; AIDS; D-Aspartate β-hydroxamate; Memantine; DFMO (Lockhart, B.P. (630) 32)

Antiviral
Herpes simplex virus; Fluoro-Gold; Mouse; Retrograde transport (LaVail, J.H. (625) 57)

Anxiety
Serotonin; Periaqueductal gray; Pain; 8-OH-DPAT (Behbehani, M.M. (612) 56)

Antinociception; Analgesia; Fear; Stress; Forebrain; Learning; Pavlovian conditioning (Helmstetter, F.J. (612) 253)

Gamma-aminobutyric acid; Hypothalamus; Muscimol; Bicuculline methiodide; Picrotoxin; Heart rate; Respiration (Shekhar, A. (627) 9)

Gamma-aminobutyric acid; Hypothalamus; Muscimol; Bicuculline methiodide; Heart rate; Blood pressure; Atenolol; Benzodiazepine (Shekhar, A. (627) 17)

Acoustic startle response; t-ACPD; Amygdala; Fear; Habituation; Metabotropic glutamate receptor; Rat (Koch, M. (629) 176)

Benzodiazepine; GABA; Receptor; Chloride channel; Learned helplessness; Coping behavior; Shuttlebox escape learning; Depression (Drugan, R.C. (631) 270)

AP1
Thrombin; Primary astrocyte; Endothelin; Endothelin receptor; Inositolphospholipid turnover; Reverse transcriptase PCR (Ehrenreich, H. (600) 201)

AP-7
t-ACPD; AMPA; Blood pressure; DNQX; Heart rate; Kainate; NMDA; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

AMPA; Blood pressure; DNQX; Epinephrine; Glutamate; Heart rate; Kainate; Mesenteric artery; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

Apamin
Ventral tegmental area; Burst-firing (Seutin, V. (630) 341)

Aphagia
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Ventral pallidum/substantia innominata; Lateral hypothalamus; Globus pallidus; Quinolinic acid; Ibotenic acid; Excitotoxin lesion; Feeding behavior; Taste aversion (Cromwell, H.C. (624) 1)

Aplysia
Respiratory pumping; Learning; Defense; pH; Salinity; Serotonin (Levy, M. (616) 218)

Culture; Synapse; Slow K^+ current; FMRFamide (Yanaura, M. (629) 88)

***Aplysia* neuron**
Mercury; Rat dorsal root ganglion (DRG) neuron; Calcium channel current (Pekel, M. (632) 121)

Apnea
Ethmoidal; Nucleus tractus solitarii; Brainstem; Respiratory neuron; Nasal mucosa; Respiratory reflex (Boissonade, F.M. (605) 345)

Apolipoprotein A-IV
Feeding suppression; Satiation; Lipid meal; Mesenteric lymph; Chylomicron; Meal size; Intestine (Fujimoto, K. (608) 233)

Apomorphine
Mouse; Sensitization; Stress; Arousal; 3-Methoxytyramine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid (Cabib, S. (604) 232)

Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Domperidone; Kainic acid; Lesion; Aphagia; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Callosotomy; Dodging; Thigmotaxis; Lateralized behavior; Rotational behavior; Striatum; Amphetamine; Interhemispheric (Sullivan, R.M. (609) 347)

Acetylcholine release; Hippocampus; Dopamine D_1 receptor; Dopamine D_2 receptor; SKF 38393; LY 171555; SCH 23390; Microdialysis (Imperato, A. (618) 341)

Substantia nigra pars reticulata; Dopamine; Rodent; Dopamine D_1 receptor; Amphetamine; SCH 23390; Sulpiride; Striatonigral pathway (Yurek, D.M. (623) 56)

Dopamine D_1 receptor; Dopamine D_2 receptor; Electrophysiology; Ethanol; Microiontophoresis; Quinpirole; Single-unit extracellular recording (Shen, R.-Y. (624) 216)

Dopamine; High performance liquid chromatography (HPLC); D-Amphetamine; Rotation behavior; Parkinson's disease; Movement disorder (Hudson, J.L. (626) 167)

Apparent dissociation constant
Morphine; Tolerance dependence; Abstinence; Rat; Dopamine D_2 receptor; Spiroperidol; 2-Bromo-α-ergocryptine; Behavioral activity; Receptor density (Reddy, P.L. (607) 293)

Aqueous humor
Ciliary process; Nicotinamide-adenine dinucleotide phosphate diaphorase; Nitric oxide synthetase; Retina (Osborne, N.N. (610) 194)

Arachidonate
N-Methyl-D-aspartate; Calcium; Diacylglycerol lipase; Monoacylglycerol lipase (Farooqui, A.A. (604) 180)

Astrocyte; Glia; Ischemia; Hypoxia; Cell death; Hypothermia (Haun, S.E. (631) 352)

Arachidonate cascade
Interleukin-1β; Nociception; Hyperalgesia; Interleukin-1 receptor antagonist; α-Melanocyte-stimulating hormone; Corticotropin-releasing factor (Oka, T. (624) 61)

Arcuate hypothalamic nucleus
Anorexia nervosa; Dynorphin; β-Endorphin; Exercise; Starvation; Supraoptic hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

Arcuate-median eminence
Vasoactive intestinal peptide; Hypothalamus; Anterior pituitary; Prolactin (Carrillo, A.J. (613) 281)

Arcuate nucleus
Neuropeptide Y; Feeding behavior; Paraventricular nucleus; Anti-NPY γ-globulin; Immunoneutralization (Shibasaki, T. (601) 313)

Estradiol; Progesterone; Synapse; Neural plasticity; Hypothalamus (Pérez, J. (608) 38)

Neuropeptide Y; Suprachiasmatic nucleus; Paraventricular nucleus; 2-Deoxy-D-glucose; Mercaptoacetate; Feeding behavior (Akabayashi, A. (621) 343)

Co-culture; Melanin-concentrating hormone-expressing neuron; Broca diagonal band; Neurotrophic factor; Neurite promoting factor; Glia; Neuron (Compagnone, N. (628) 137)

Carbohydrate; Neuropeptide Y; Macronutrient; Paraventricular nucleus; Dorsomedial nucleus; Body weight; Feeding (Jhanwar-Uniyal, M. (631) 97)

Area 21a
Striate cortex; Striate recipient zone (LPl) (Wimborne, B.M. (603) 333)

Area dentata
Astrocyte; Plasticity; S100β; 5-HT; Immunocytochemistry (Haring, J.H. (631) 119)

Area postrema
Cholecystokinin receptor antagonist; L-365,260; Receptor autoradiography; Visceral afferent; Feeding; Nucleus tractus solitarii; MK-329 (Corp, E.S. (623) 161)

Area ventralis tegmentalis
Pigeon; Immunocytochemistry; Telencephalon; Tegmentum; Substantia nigra; Neostriatum; Retrograde tracing (Waldmann, C. (600) 225)

Arecoline
Nucleus basalis magnocellularis; 2-Deoxy-D-glucose; Cholinergic system; Nicotine; Physostigmine; Rat (De Micheli, E. (615) 80)

Arginine
Nitric oxide; NADPH diaphorase; Citrulline; cGMP; Dorsal root ganglion; Enteric plexus; Histochemistry (Aoki, E. (620) 142)

L-Arginine
Nitric oxide; Nitroprusside; Molsidomine; Nitric oxide synthase; Corticotropin-releasing hormone; Interleukin; Hypothalamus (Costa, A. (605) 187)

Arginine vasopressin
Morphine; Tolerance; Amnesia; Brain ischemia; Hypoxia; Scopolamine; Electroconvulsive shock (Sugimachi, N. (609) 93)

Vasopressin V_1 agonist; Vasopressin V_1 antagonist; Vasopressin V_2 agonist; Vasopressin V_2 antagonist; Vasopressin V_3 agonist; Central blood pressure regulation (Noszczyk, B. (610) 115)

Linear AVP antagonist; Vasopressin V_{1a} receptor; Hypothalamus; Substantia nigra; Ventral tegmental area; Cortex layer IV (Johnson, A.E. (622) 9)

Corticotropin-releasing hormone; IL-1; α Melanocyte-stimulating hormone; Organ explant (Zelazowski, P. (631) 22)

Arginine vasotocin and related neuropeptides
Central nervous system; Blood pressure; Heart rate; Vasopressin V_1 receptor; Trout (Le Mevel, J.-C. (610) 82)

Aromatase immunocytochemistry
Preoptic area; Polymerase chain reaction; Japanese quail; Sexual behavior; Reproduction (Harada, N. (622) 243)

Aromatase P-450
Atypical olfactory glomerulus; Modified glomerular complex; Suckling behavior; Sex steroid (Shinoda, K. (618) 160)

Aromatic L-amino acid decarboxylase
Tryptophan hydroxylase; In situ hybridization; Enzyme activity; 5,7-Dihydroxytryptamine; Serotonergic cell body and terminal (Park, D.H. (609) 59)

Dopamine; NSD-1015; Pyridoxal 5-phosphate; Astrocyte (Juorio, A.V. (626) 306)

Arousal
Mouse; Sensitization; Apomorphine; Stress; 3-Methoxytyramine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid (Cabib, S. (604) 232)

Aging; Circadian; Clock; Rhythm; Entrainment; Activity; Benzodiazepine; Sleep (Van Reeth, O. (607) 286)

Psychological stress; Footshock; Corticotropin-releasing hormone; Pentobarbital; CRH-receptor antagonist; Adrenocorticotropin; Catecholamine (Shibasaki, T. (618) 71)

Somatosensory cortex; Acetylcholine; Microdialysis; Circadian rhythm (Jiménez-Capdeville, M.E. (625) 152)

Cholinergic function; REM sleep; Sleep (Szymusiak, R. (629) 141)

Arterial blood pressure
Vasopressin; Ventrolateral medulla; Electron microscopy; Hemorrhage (Gómez, R.E. (604) 90)

Arterial pressure
Limbic system; Autonomic pathway; Rostral ventrolateral medulla; Brainstem; Cardiovascular regulation (Giancola, S.B. (606) 162)

Brain slice; Chemoreceptor; Hypoxia; Hypercapnia; Rat; Rhodamine (Nolan, P.C. (630) 101)

Arteriole
Spontaneously hypertensive rat; Wistar–Kyoto rat; Capillary; Venule; Cerebral microvessel; Hydrocephalus; Cerebral atrophy (Gesztelyi, G. (611) 249)

Arthritic rat
δ Opioid receptor; BUBU; Chronic pain (Desmeules, J.A. (611) 243)

Arthritis
Inflammation; Mononeuropathy; Hyperalgesia; Neurotensin; Periaqueductal gray; Nucleus cuneiformis (Williams, F.G. (611) 87)

Artificial selection
Decerebration; Imprinting; Innate preference; Japanese quail; Neural representation (Kovach, J.K. (629) 181)

Ascending cholinergic reticular system
Acetylcholinesterase; Medial thalamus; Nitric oxide; Histochemistry; Nicotinamide-adenine dinucleotide phosphate diaphorase (Mengual, E. (625) 165)

Ascending inhibition
Thalamus; Nociception; Analgesia; Cat; Nucleus raphe magnus (Koyama, N. (609) 298)

Ascending projection
Thalamocortical; Spinal cord; Nociceptive; Pain (Stevens, R.T. (631) 241)

Ascending reticular cholinergic system
Galanin; Substance P; Pedunculopontine tegmental nucleus; Human brainstem (Gai, W.P. (618) 135)

Ascorbate
Aging; Dopamine; In vivo voltammetry; Nucleus accumbens; Caudate-putamen; Frontal cortex; Rat (Svensson, L. (609) 36)

Dehydro-L-ascorbic acid reductase; Antioxidant defense; Oxygen radical scavenger (Rose, R.C. (628) 49)

L-Ascorbic acid
Long-term potentiation; Hippocampal slice; CA1 neuron; α-Tocopherol; Free radical; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Aspartate
Glutamate; Hyperalgesia; Dorsal horn (Sorkin, L.S. (607) 89)

Microdialysis; Pain; Glutamate; Glycine; Serotonin; Monoamine; Spinal cord; Endogenous analgesia system (Sorkin, L.S. (618) 95)

Regional superfusion; Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Analgesia; Nociception; Glycine; GABA; Taurine; Glutamate (Masters, D.B. (621) 279)

Glutamate; Transport; Excitotoxicity; Ischemia; Neuronal death (Anderson, K.J. (622) 93)

Glutamate; Substance P; Calcitonin gene-related peptide; Inflammation; Dorsal horn; Microdialysis; Lidocaine (Sluka, K.A. (627) 89)

Taurine; Presynaptic receptor; Glutamate; GABA; Synaptosome; Rat cortex (Kamisaki, Y. (627) 181)

Dog; Motoneuron disease; Glutamate; *N*-Acetylaspartate; *N*-Acetylaspartylglutamate; NAALADase; Excitotoxin (Tsai, G. (629) 305)

D-Aspartate
Methylmercury; L-Glutamate; Astrocyte; Transport (Aschner, M. (602) 181)

D-Aspartate β-hydroxamateNMDA; Neurotoxicity; Glutamate; AIDS; Memantine; DFMO; Anti-tumor (Lockhart, B.P. (630) 32)

Aspartate release
Release; Synaptosome; γ-Aminobutyric $acid_B$ receptor; Glutamate release; γ-Aminobutyric $acid_B$ receptor subtype (Pende, M. (604) 325)

Aspiration
Classical conditioning; Cerebellar cortex; Learning; Retention; Nictitating membrane; Rabbit; Cerebellum; Timing (Woodruff-Pak, D.S. (608) 67)

Associativity
Bicuculline; Disinhibition; Distal dendrite; Hippocampal slice; Stratum moleculare (Colbert, C.M. (606) 87)

Astrocyte
Endothelin; Glial process; Dibutyryl cAMP; Stellation (Koyama, Y. (600) 81)

Glial fibrillary acidic protein; Gliosis; Hyperplasia; Hypertrophy (Da Cunha, A. (600) 161)

Methylmercury; L-Glutamate; D-Aspartate; Transport (Aschner, M. (602) 181)

Differentiation; Phosphoinositide response; Norepinephrine; α_1-Adrenergic receptor (Fahrig, T. (602) 318)

Epilepsy; Kindling; Ultrastructure; Synaptic morphology; Hippocampal subfield CA1; Spine synapse (Hawrylak, N. (603) 309)

Calcium; Lactic acid; Acidosis; Extracellular ATP; Purinergic receptor (Neary, J.T. (604) 211)

Basic fibroblast growth factor; Cerebral cortex; Ischemia; Immunohistochemistry; Immunoblot; Neuron (Kumon, Y. (605) 169)

Mercuric chloride; *N*-Ethylmaleimide; Iodoacetate; Glutamate; Transport (Albrecht, J. (607) 249)

Acidic fibroblast growth factor; Basic fibroblast growth factor; Huntington's disease; Neostriatum; Neuron; Substantia nigra; Globus pallidus (Tooyama, I. (608) 78)

Mycoplasma; Tumor necrosis factor-α; Dexamethasone; Corticosterone; Multiple sclerosis; AIDS dementia (Brenner, T. (608) 273)

Nerve growth factor; Neuron; Neurotrophic effect; Mitogen; Central nervous system (Shao, N. (609) 338)

Acidic fibroblast growth factor; Basic fibroblast growth factor; Huntington's disease; Neostriatum; Neuron; Substantia nigra; Globus pallidus (Tooyama, I. (610) 1)

Endocytosis; Immunoelectron microscopy; mRNA transport; Neurohypophysis; Neuron-glia interaction; Neurosecretion; Phagocytosis (Boersma, C.J.C. (611) 117)

Cysteamine; Peroxidase activity; Autofluorescence; Cell fractionation; Gomori stain (Cissé, S. (615) 141)

C-type natriuretic peptide; Cyclic GMP; Receptor subtype; Binding assay (Kobayashi, H. (617) 163)

Calcium; Inositol polyphosphate; Lead; Norepinephrine; Phospholipase C (Dave, V. (618) 9)

Glutamate; *t*-ACPD; Phosphoinositide; Inositol phosphate; Metabotropic; Defined medium (Miller, S. (618) 175)

Glutathione; Flow cytometry (Devesa, A. (618) 181)

Buffer capacity; Neuron; Cortical tissue; Direct titration; NH_4^+ method; CO_2 method; Propionate (Katsura, K.-i. (618) 283)

Anoxia; Glutamate; Hypothermia; Ischemia (Huang, R. (618) 346)

Ensheathing cell; Glial maturation; Retinal ganglion neuron; SV40 large T antigen; Retroviral vector (Goodman, M.N. (619) 199)

Central nervous system; Meningeal cell; Dipeptidyl peptidase II (Struckhoff, G. (620) 49)

Alzheimer's disease; α_1-Antichymotrypsin; Cathepsin G; Glial fibrillary acidic protein; Gliosis; Serine protease; Protease inhibitor (Abraham, C.R. (621) 222)

Gliostatin; Neurotrophic factor; Co-culture; Neuron; Glial differentiation (Ueki, T. (622) 299)

Cerebral ischemia; Hippocampus; Immunohistochemistry; Superoxide dismutase; Free radical; Microglia; Rat (Liu, X.-H. (625) 29)

Endothelial cell; Blood–brain barrier; Human; In vitro model (Hurwitz, A.A. (625) 238)

Neuropeptide Y; Brain; Culture; Glia; Neuron; Differentiation (Barnea, A. (625) 313)

Cell adhesion molecule; Kainate treatment; Gliosis; Mossy fiber sprouting (Niquet, J. (626) 106)

Aromatic L-amino acid decarboxylase; Dopamine; NSD-1015; Pyridoxal 5-phosphate (Juorio, A.V. (626) 306)

Aging; αB-crystallin; Cysteamine; Glucose-regulated protein; Heat shock protein; Ubiquitin (Mydlarski, M.B. (627) 113)

Aging; Immunohistochemistry; Polymerase chain reaction; Cysteine protease inhibitor; Cystatin (Yasuhara, O. (628) 85)

Brain injury; Reactive gliosis; Estradiol; Progesterone; Testosterone; Cerebral cortex; Hippocampus; Dentate gyrus (Garcia-Estrada, J. (628) 271)

Immune mediator; Cultured cortical neuron; Late potassium outward current; I_K; Membrane potential (Köller, H. (628) 313)

Brain; Culture; Goldfish; Neurogenesis (Sivron, T. (629) 199)

Blood–ocular barrier; Blood–brain barrier; P-Glycoprotein; γ-Glutamyl transpeptidase; Transferrin receptor (Holash, J.A. (629) 218)

Steroidogenesis; P450scc; P450c11; Cortex (Mellon, S.H. (629) 283)

Area dentata; Plasticity; S100β; 5-HT; Immunocytochemistry (Haring, J.H. (631) 119)

Glia; GFAP; Hippocampus; Seizure; Epilepsy (Torre, E.R. (631) 256)

Glia; Ischemia; Hypoxia; Cell death; Arachidonate; Hypothermia (Haun, S.E. (631) 352)

Morphology; CD44; Adhesion; Hyaluronic acid; Receptor (Akiyama, H. (632) 249)

Astrocyte culture
Cell damage; Cell swelling; Amino acid release (Kimelberg, H.K. (622) 237)

Astrocyte growth regulation
Prostaglandin; Protein kinase C α subtype; 12-*O*-Tetradecanolyphorbol 13-acetate; Brain cell culture (Sawada, M. (613) 67)

Astrocytoma cell
Interleukin-1; Tumor necrosis factor; Nitric oxide synthase; Guanylate cyclase (Vigne, P. (606) 332)

Astroglia
Glycogen; Hexokinase; Lactate (Dringen, R. (623) 208)

ATL-derived factor; Delayed neuronal death; Free radical (Tomimoto, H. (625) 1)

Asymmetry
Compensatory ovarian hypertrophy; Gonadotropin; Progesterone; Temporal lobe; Rat (Gerendai, I. (619) 173)

AT1
Blood pressure; AT2; Intracerebroventricular; Angiotensin receptor subtype (Toney, G.M. (603) 57)

AT2
Blood pressure; AT1; Intracerebroventricular; Angiotensin receptor subtype (Toney, G.M. (603) 57)

Ataxia
Phencyclidine; Nucleus accumbens; Social behavior; Locomotion; Stereotypy; Dopamine (Steinpreis, R.E. (612) 263)

Atenolol
Radial maze; Pharmacological interaction; Propranolol; Scopolamine; Rat (Ohta, H. (622) 353)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Heart rate; Blood pressure; Benzodiazepine (Shekhar, A. (627) 17)

Athlete
Testosterone; Steroid receptor; Steroid abuse; Castration; Intact; Immunocytochemistry; Optical density (Menard, C.S. (622) 226)

ATL-derived factor
Astroglia; Delayed neuronal death; Free radical (Tomimoto, H. (625) 1)

Atonia
Hypoglossal motoneuron; Carbachol; Rapid eye movement sleep; GABA; Glycine; Strychnine; Bicuculline (Kubin, L. (611) 300)

ATP
Sodium ion; Glutamate; Membrane potential; Hypoglossal neuron (Haddad, G.G. (625) 261)

Perfluorocarbon; Cerebral vasculature; Peptide (Domer, F.R. (630) 88)

H^+-ATPase
Proton pump; Blood–brain barrier; Acid–base balance (Mooradian, A.D. (629) 128)

Atria
Calcitonin gene-related peptide; Gpp(NH)p; Receptor affinity site; Receptor subtype; G-protein; Brain; Vas deferens (Van Rossum, D. (617) 249)

Atrial natriuretic peptide
Brain natriuretic peptide; C-type natriuretic peptide; Cerebrospinal fluid (Kaneko, T. (612) 104)

Atrophy
DNQX; Ischemia; KB-2796; Middle cerebral artery occlusion; Rat (Hara, H. (618) 251)

Atropine
Phosphoinositide metabolism in vivo; Cholinergic agonist and antagonist; Pilocarpine; Inositol phosphate; Mouse cerebrum; Mouse Cerebellum (Lin, T.-A. (622) 169)

Enkephalin; Acetylcholine; Nicotinic receptor; Retina; Chick; Release; Tubocurarine (Boelen, M.K. (624) 137)

Bed nucleus; ACh; Hexamethonium; Amygdala stimulation (Casada, J.H. (631) 124)

Theta (θ) rhythm; Hippocampus; Septum; Carbachol; Cholinergic; Septal infusion (Monmaur, P. (631) 317)

Atropine methylnitrate
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Attack
Hypothalamus; Rat; Cell body stimulation; γ-Aminobutyric acid; Digging; Gnawing; Feeding; Drinking (Roeling, T.A.P. (615) 121)

Attentional set
Frontal lesion; Perseveration; Marmoset (Ridley, R.M. (628) 56)

Atypical olfactory glomerulus
Modified glomerular complex; Suckling behavior; Aromatase P-450; Sex steroid (Shinoda, K. (618) 160)

Auditory cortex
Auditory evoked potential; Parallel auditory system; Anesthesia; Rat (Simpson, G.V. (602) 251)

Inferior colliculus; Pontine nucleus; Pulse repetition rate (Jen, P.H.-S. (613) 152)

Deafness; Positron emission tomography; Neuronal plasticity (Catalán-Ahumada, M. (623) 287)

40 Hz; Spontaneous activity; Magnetoencephalography; Neuromagnetism; Human (Tesche, C. (629) 19)

Evoked potential; Rat; Laminar analysis; Current source density (Di, S. (630) 303)

Auditory cortex response
Auditory evoked potential; Multiple auditory system; Rat (Simpson, G.V. (602) 240)

Auditory evoked potential
Auditory cortex response; Multiple auditory system; Rat (Simpson, G.V. (602) 240)

Auditory cortex; Parallel auditory system; Anesthesia; Rat (Simpson, G.V. (602) 251)

Auditory-evoked potential
Reticular formation; Hippocampus; Rat (Bickford, P.C. (607) 33)

Auditory learning
Neural network; Structural equation modeling; Pavlovian conditioning; Path analysis; Conditioned inhibition; 2-Deoxyglucose; Rat (McIntosh, A.R. (627) 129)

Auditory nerve fiber
Spontaneous discharge rate; Intensity increment; Adaptation; Guinea pig (Winter, I.M. (618) 167)

Auditory system
Inferior colliculus; Development; Amplitude modulation; Kitten (Brugge, J.F. (615) 199)

c-Fos immunohistochemistry; 2-Deoxyglucose autoradiography; Tonotopy (Reimer, K. (616) 339)

Neurotrophin; Immediate early gene; Neuronal activation; Basal forebrain; Hypothalamus; Posterodorsal tegmental nucleus (Peng, Z.-C. (632) 57)

Aurintricarboxylic acid
Interleukin-1; β-Amyloid precursor protein; Alzheimer's disease (Joseph, R. (625) 244)

Autocrine growth factor
Vasoactive intestinal peptide; Neuroblastoma; Mitogenic factor (Wollman, Y. (624) 339)

Autofluorescence
Astrocyte; Cysteamine; Peroxidase activity; Cell fractionation; Gomori stain (Cissé, S. (615) 141)

Automatic
Posture; Human; Stepping; Perturbation; Task (McIlroy, W.E. (631) 203)

Automatic gain compensation
Human gait; Sural nerve; Reflex gain; Phase-dependent modulation; Task dependency; Exteroceptive reflex; Biceps femoris; Tibialis anterior (Duysens, J. (613) 230)

Autonomic
Vagal motoneuron; Medulla; Current clamp; Neuromodulation; Peptide; Brainstem slice; Potassium current (Livingston, C.A. (621) 97)

Autonomic control
Adrenal catecholamine; Excitatory amino acid; Spinal trigeminal nucleus (Bereiter, D.A. (622) 155)

Autonomic nervous system
Canine medulla oblongata; C1-C3 areas; Catecholamine-synthesizing enzyme; Immunocytochemistry (Dormer, K.J. (601) 41)

NADPH diaphorase; Sympathetic postganglionic neuron; Ganglionic transmission (Anderson, C.R. (614) 78)

Trophic agent; Cytokine; Neurotransmitter expression (Freidin, M. (615) 135)

Pseudorabies virus; Sympathetic nervous system; Sympathetic preganglionic neuron; Transneuronal cell body labeling (Jansen, A.S.P. (617) 103)

Airway control; Bronchoconstriction; Central chemosensitivity; Cough reflex; Ondine's curse; Respiratory control; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Dorsal vagal nucleus; Insulin regulation; Parasympathetic nervous system; Pseudorabies virus; Vagus nerve; Ventral medulla; Viral transneuronal labeling (Loewy, A.D. (620) 323)

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c-*fos*; Fos; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Autonomic neuropathy
Baroreceptor reflex; Streptozotocin diabetic rat (Homma, S. (629) 342)

Autonomic pathway
Limbic system; Rostral ventrolateral medulla; Brainstem; Arterial pressure; Cardiovascular regulation (Giancola, S.B. (606) 162)

Autonomic reflex
Negative mucosal potential; Trigeminal nerve; Chemoreception; Pain measurement; Peripheral nociceptive response; Blood flow (Thürauf, N. (629) 293)

Autonomic system
Cerebellum; Climbing fiber; Renal nerve; Visceral afferent; Somatosensory (Tong, G. (601) 65)

Autophosphorylation
Ca^{2+}; Calmodulin; Protein kinase; Postsynaptic density (Ochiishi, T. (610) 97)

Autoradiograph
Naltrindole; Receptor binding; δ Opioid antagonist; Rat (Drower, E.J. (602) 138)

Autoradiographic distribution
Benzodiazepine (ω) modulatory site subtype; Adult; Newborn; Rat; Central nervous system (Benavides, J. (604) 240)

Autoradiography
$GABA_A$ receptor complex; ω_1 modulatory binding site; γ-Aminobutyric acid enhancement; [^{3}H]Zolpidem binding; Rat central nervous system; Membrane (Ruano, D. (600) 134)

Local cerebral glucose utilization; Spontaneously epileptic rat; [^{14}C]2-Deoxyglucose; Hippocampus; Amygdala; Interictal state; Hypometabolism (Saji, H. (601) 76)

Serotonin; 5,7-Dihydroxytryptamine; Receptor; Hypothalamus (Frankfurt, M. (601) 349)

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Axonal sprouting
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Fronto-parietal cortex; Acetylcholine; Vasoactive intestinal polypeptide; Ibotenic acid lesion; Immunocytochemistry (Cossette, P. (630) 195)

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Axonal tracing
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Adenosine triphosphatase; Sodium–potassium; Axon; Neuron; Schwann cell; Western blot (Mata, M. (618) 295)

NPY; Neurosecretion; Axonal reticulum; Sympathetic neuron; Immunocytochemistry; Large dense-cored vesicle (Quatacker, J. (627) 249)

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Axonal transport retrograde
G-protein; Axonal transport regulation (Moshiach, S. (605) 298)

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Axon growth
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Axon reaction
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Axoplasmic flow
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Axoplasmic transport
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c-*fos*; Peripheral nerve transection; Sprouting; Neuropathic pain (Chi, S.-I. (617) 225)

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Axon reaction; Cell body; Dorsal root ganglion; Phosphorylated neurofilament; Ola mice; Trophic; Wallerian degeneration (Gold, B.G. (626) 23)

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B

B-50
GAP-43; Axotomy; Schwann cell; Peripheral nerve regeneration (Plantinga, L.C. (602) 69)

B-50 / GAP-43
Methylazoxymethanol; Hippocampus; Granule cell; Learning; Protein kinase C (Di Luca, M. (607) 329)

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Baroreceptor
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Baroreceptor reflex
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Acidic fibroblast growth factor; Huntington's disease; Neostriatum; Astrocyte; Neuron; Substantia nigra; Globus pallidus (Tooyama, I. (610) 1)

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Galanin; Neuropeptide; Receptor antagonist; Receptor binding; Feeding; Hypothalamus (Crawley, J.N. (600) 268)

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Bicuculline
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$GABA_A$ receptor; Antinociception; Nucleus raphe magnus; Nucleus gigantocellularis pars alpha; Spinal cord; Isoguvacine; Diazepam (McGowan, M.K. (620) 86)

Bicuculline methiodide
Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Picrotoxin; Heart rate; Respiration (Shekhar, A. (627) 9)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Heart rate; Blood pressure; Atenolol; Benzodiazepine (Shekhar, A. (627) 17)

Bifemelane
α-Tubulin; β-Actin; Messenger RNA; Ischemia; Gerbil; In situ hybridization histochemistry (Asanuma, M. (600) 243)

Bilateral lesion
Medial preoptic area; Socio–sexual behavior; Pursuit; Motivation (Paredes, R.G. (618) 271)

Bilateral projection
Visual system; Retinal ganglion cell; Retina; Lateral geniculate nucleus; Superior colliculus; Axon collateralization; Rat (Kondo, Y. (608) 204)

Bilateral receptive field
Rhesus monkey; Granular insula; Single unit; Somatosensory (Schneider, R.J. (621) 116)

Bilateral SCN lesion
Suprachiasmatic nucleus; Sexual orientation; Partner preference test; Testosterone (Kruijver, F.P.M. (624) 342)

Binaural interaction
Medial superior olive; Lateral superior olive; Aacoustic chiasm; Kainic acid; Sound localization (Kelly, J.B. (605) 237)

Binding
Galanin; Human pituitary; Receptor (Hulting, A.-L. (625) 173)

Binding assay
C-type natriuretic peptide; Astrocyte; Cyclic GMP; Receptor subtype (Kobayashi, H. (617) 163)

Binding enhancer
Adenosine; Magnesium; Hippocampal slice; Seizure; Anticonvulsant (Janusz, C.A. (619) 131)

Binding site
Quantitative autoradiography; Hippocampus; Human brain; Thyrotropin-releasing hormone (Eymin, C. (605) 139)

Biochemical compensation
Hippocampus; Norepinephrine; Tyrosine hydroxylase; DSP-4; Regeneration (Robinson, G.B. (614) 21)

Biochemistry
Opioid receptor; Nervous system; Enkephalin; Growth; Development; Cerebellum; Brain; Zeta (ζ) receptor; Protein chemistry (Zagon, I.S. (605) 50)

Opioid receptor; Nervous system; Growth; Opioid growth factor; Development; Brain; Zeta (ζ) receptor; Antibody; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

Biocytin
Medial geniculate body; Afferent axon; Anterograde transport; *Phaseolus vulgaris* leucoagglutinin (McMullen, N.T. (620) 317)

Biopsy
Neocortex; Interneuron; Basket formation; Perivascular fiber; Microflow (DeFelipe, J. (615) 342)

Biopterin
Acetylcholine release; Hippocampus; Brain microdialysis; *p*-Chlorophenylalanine; α-Methyl-*p*-tyrosine; Catecholamine; Serotonin (Ohue, T. (607) 255)

Biperiden
REM sleep; Muscarinic M_1 receptor; Trihexyphenidyl; Scopolamine; Sleep–wake cycle; Cholinergic sleep (Zoltoski, R.K. (608) 186)

Bipolar cell
Melatonin; Tryptophan hydroxylase; Retina; Kainic acid; Serotonin; Amacrine cell (Thomas, K.B. (601) 303)

Bird
Fluorescent tracer; Rhodamine β-isothiocyanata; Transneuronal tracing; Isthmooptic nucleus; Retinal projection (Miceli, D. (601) 289)

Prolactin; Preoptic area; Ventromedial hypothalamus; Lateral hypothalamus; Tuberal hypothalamus; Feeding behavior; *Streptopelia risoria* (Hnasko, R.M. (623) 257)

Bisection
Kindling; Brainstem; Interpeduncular nucleus; Amygdala (Hirayasu, Y. (610) 354)

Bisphosphonate
Inositol monophosphatase; Cerebrospinal fluid; Manic depression; Lithium; Magnesium (Atack, J.R. (613) 305)

Bistability
Vaginal stimulation; Sexual behavior (Cueva-Rolón, R. (600) 33)

Bladder
Diabetes; Diuresis; Hypertrophy (Nadelhaft, I. (609) 277)

Blink
Eyelid movement; Orbicularis oculi; Levator palpebrae superioris; Oculomotor (Porter, J.D. (609) 159)

Blink reflex
Eye movement; Oculomotor system; Corneal reflex; Eyeball retraction; Superior rectus muscle; Levator palpebrae muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

Blood–brain barrier
Acute hypertension; Na^+,K^+-ATPase; Polyunsaturated fatty acid; K^+-dependent *p*-nitrophenylphosphatase; γ-Glutamyltranspeptidase (Caspers, M.L. (602) 215)

Porcine calcitonin; Sulfatide; Reverse-phase evaporation vesicles; Antinociception (Chen, D. (603) 139)

Nerve growth factor; Plasma nerve growth factor; Development (Fabian, R.H. (611) 46)

Interleukin-6; Tumor necrosis factor; Interleukin-1; Endotoxin; Fever mechanism (Coceani, F. (612) 165)

Cerebral microvessel; Brain endothelium; Potassium channel; Glibenclamide binding (Sullivan, H.C. (612) 336)

Lactate transport; Monocarboxylate anion carrier; Transport kinetics; Rat brain (LaManna, J.C. (614) 164)

Epidermal growth factor receptor; Dementia; Alzheimer's disease; Endothelial cell; Vasculature; Pituitary; Epidermis (Styren, S.D. (615) 181)

Endothelial cell; Astrocyte; Human; In vitro model (Hurwitz, A.A. (625) 238)

Inositol; Cerebrospinal fluid; Second messenger (Levine, J. (627) 168)

Proton pump; H^+-ATPase; Acid–base balance (Mooradian, A.D. (629) 128)

Intra-carotid injection; Liposome; Osmotic treatment; Sulfatide (Sakamoto, A. (629) 171)

Blood–ocular barrier; Astrocyte; P-Glycoprotein; γ-Glutamyl transpeptidase; Transferrin receptor (Holash, J.A. (629) 218)

Aging; Diabetes mellitus; Endothelial barrier antigen (Mooradian, A.D. (909) 41)

Blood coagulation
Protease inhibitor; Neurite outgrowth; Amyloid β-protein precursor (Wagner, S.L. (626) 90)

Blood flow
Nerve injury; Dental pulp; Laser Doppler; Neuropeptide; GAP-43; Neurotrophin receptor; Cat; Immunohistochemistry (Olgart, L. (625) 109)

Negative mucosal potential; Trigeminal nerve; Chemoreception; Pain measurement; Peripheral nociceptive response; Autonomic reflex (Thürauf, N. (629) 293)

Blood glucose
Glucocorticoid; Neuropathology; Glutathione peroxidase; Catalase; Superoxide dismutase (Tuor, U.I. (604) 165)

Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Blood–nerve barrier
Edema; Galactose neuropathy; Permeability-surface area product (Mizisin, A.P. (618) 109)

Blood–ocular barrier
Blood–brain barrier; Astrocyte; P-Glycoprotein; γ-Glutamyl transpeptidase; Transferrin receptor (Holash, J.A. (629) 218)

Blood pressure
Locus ceruleus; L-Glutamate; Regional blood flow; Vascular resistance; Rat (Miyawaki, T. (600) 56)

Angiotensin; Amastatin; Bestatin; Rostral ventrolateral medulla (Sasaki, S. (600) 335)

Baroreceptor reflex; Brainstem; c-*fos*; Catecholamine; Immunoreactivity; Rat; Volume receptor (Narváez, J.A. (602) 342)

AT1; AT2; Intracerebroventricular; Angiotensin receptor subtype (Toney, G.M. (603) 57)

Mean circulatory filling pressure; Heart rate; Venous tone; Central nervous system electrical stimulation (Martin, D.S. (604) 318)

In vivo microdialysis; Dopamine release; Striatum; Halothane dose; Anesthesia state (Miyano, K. (605) 342)

Arginine vasotocin and related neuropeptides; Central nervous system; Heart rate; Vasopressin V_1 receptor; Trout (Le Mevel, J.-C. (610) 82)

Morphine; Vagus; Antinociception; Heart rate (Thurston, C.L. (612) 70)

t-ACPD; AMPA; AP-7; DNQX; Heart rate; Kainate; NMDA; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

Dynorphin A(2–17); Nucleus tractus solitarii; Hemorrhage (Fan, L. (623) 110)

AMPA; AP-7; DNQX; Epinephrine; Glutamate; Heart rate; Kainate; Mesenteric artery; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Heart rate; Atenolol; Benzodiazepine (Shekhar, A. (627) 17)

Blood pressure control
Median preoptic nucleus; Paraventricular nucleus; Neural connection; Baroreceptor; Electrophysiology (Tanaka, J. (605) 338)

Blood pressure regulation
Ventrolateral medulla; Sympathetic nerve activity; Baroreceptor reflex (Cravo, S.L. (621) 133)

BOAA
NBQX; Neurotoxicity; Neurolathyrism; Motor neurone disorder; Excitatory amino acid (Willis, C.L. (627) 55)

Body fluid homeostasis
Cardiovascular regulation; Plasma osmolality; Angiotensin II; Circumventricular organ (Rosas-Arellano, M.P. (619) 352)

Body mass
Reproduction; Torpor; Seasonal cycle; Testosterone (Ruby, N.F. (608) 1)

Body temperature
Interleukin-1; Interleukin-6; Spatial learning (Oitzl, M.S. (613) 160)

Salmon calcitonin; Brain mapping; Pain sensation; Intracerebral injection (Sellami, S. (616) 307)

U-50,488H; Nor-binaltorphimine; Memory; Ischemia; Mouse (Itoh, J. (619) 223)

Body temperature regulation
Deoxyglucose; Autoradiography; Pineal gland; Subfornical organ; Median eminence; Hypothalamus; Vasopressin; Epilepsy (Gross, P.M. (606) 135)

Body weight
Estradiol; Anisomycin; Paraventricular nucleus; Protein synthesis; Food intake; Lordosis (Butera, P.C. (624) 354)

Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Carbohydrate; Neuropeptide Y; Arcuate nucleus; Macronutrient; Paraventricular nucleus; Dorsomedial nucleus; Feeding (Jhanwar-Uniyal, M. (631) 97)

Bombesin
c-*fos*; Cholecystokinin; Nucleus of the solitary tract; Hypothalamus; Capsaicin (Bonaz, B. (600) 353)

Gastrin-releasing peptide; Suprachiasmatic nucleus; Single-unit recording; Brain slice (Tang, K.-C. (614) 125)

Bovine
Substance P; Immunohistochemistry; Pineal gland; Innervation; Central (Møller, M. (611) 347)

Bovine brain
8-OH-DPAT; Paroxetine; Dorsal raphe nucleus; Hippocampus; Receptor binding; Serotonin uptake site; Serotonin 5-HT_{1A} receptor (Sprouse, J.S. (617) 159)

BP170
Brain-specific protein; Western immunoblotting; Protein marker, soluble protein (Hui, M.P.-P. (606) 36)

Bradykinin
Tyrosine hydroxylase; Dopamine β-hydroxylase; Calcium; mRNA; Catecholamine (Gebreyesus, K. (608) 345)

Prostacyclin; Nociceptor; Inflammation (Birrell, G.J. (611) 103)

Algesic chemical; Capsaicin; Chemoreceptor; Mechanoreceptor; Nociceptor; Visceral afferent (Hong, S.K. (622) 215)

Polymodal receptor; Visceral nociceptor; Sensitization; Prostaglandin E_2; EP receptor subtype; cAMP; Nerve discharge (Kumazawa, T. (632) 321)

Bradykinin suprafusion
Ventrobasal complex; Thalamic neuron response; Uterus distension; Vagina distension; Prostaglandin $F_{2\alpha}$ (Guilbaud, G. (614) 285)

Brain
Neuropeptide; Catecholamine; Coexistence; Immunohistochemistry (Orazzo, C. (600) 39)

Hypoxia; Synaptosome; Myelin; Na^+,K^+-ATPase; Lipid peroxidation (Razdan, B. (600) 308)

Cytochrome P-450; Ethanol; Cytochrome P-450IIE1; Mono-oxygenase (Anandatheerthavarada, H.K. (601) 279)

Histamine; Histamine H_3 receptor; Rat; Reserpine; Basal ganglia (Cumming, P. (602) 53)

Ischemia; Ion flux; Metabolism; Recirculation (Ekholm, A. (604) 185)

Electromyography; Muscle tone; Reserpine; 6-Hydroxydopamine; Dopamine; Rat (Double, K.L. (604) 342)

Steroid; Glucocorticoid receptor; Mineralocorticoid receptor; Primary culture; Cortex; Hippocampus; Serotonin; Rat (Vedder, H. (605) 18)

Opioid receptor; Nervous system; Enkephalin; Growth; Development; Cerebellum; Zeta (ζ) receptor; Biochemistry; Protein chemistry (Zagon, I.S. (605) 50)

Development; Rabbit; Insulin; Insulin-like growth factor; Receptor (Devaskar, S.U. (605) 101)

Hypoglycemia; Protein kinase C; MARCKS (Anderson, L.G. (606) 187)

Vasopressin; Antidiuretic hormone; Prostaglandin; Dopamine receptor; Adrenoreceptor; Meclofenamate; Phenylephrine; Angiotensin II (Yamaguchi, K. (607) 149)

Hypoxia; Mouse; Neonate; Free radical; Electron spin resonance (Hasegawa, K. (607) 161)

Cocaine; Tyrosine hydroxylase; Catecholamine; Prenatal; Fetal; Rat (Meyer, J.S. (608) 129)

Mouse; Aging; Gliosis; White matter; Caloric restriction (Bronson, R.T. (609) 124)

α-Tocopherol; Cerebral ischemia; Reperfusion; Lipid peroxidation; Stroke (Yue, T.-L. (610) 53)

Microglia; Macrophage; 3-Acetylpyridine; Rat (Ogawa, M. (610) 135)

Morphine; Tolerance; Analgesia; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin; B_{max}; K_d; Spinal cord (Thorat, S.N. (615) 191)

Calcitonin gene-related peptide; Gpp(NH)p; Receptor affinity site; Receptor subtype; G-protein; Atria; Vas deferens (Van Rossum, D. (617) 249)

Olfactory bulb; Insulin-like growth factor I; Basic fibroblast growth factor; DNA synthesis; protein synthesis (Werther, G.A. (617) 339)

5-Iodo-6-nitroquipazine; Serotonin uptake complex; Serotonin; In vitro binding (Mathis, C.A. (619) 229)

5-Iodo-6-nitroquipazine; Serotonin uptake complex; Serotonin; In vivo imaging; Autoradiography (Biegon, A. (619) 236)

Ryanodine binding protein; Calcium ion channel; Purkinje neuron; Intracellular membrane system; Antibody (Ouyang, Y. (620) 269)

Aging; Growth hormone; Human; Molecular size; Receptor; Sex difference (Lai, Z. (621) 260)

TrkB; Immunohistochemistry; Neurotrophin; Brain derived-neurotrophic factor; Rat (Zhou, X.-F. (622) 63)

Aging; Muscarinic cholinergic receptor; Depolarization; Inositol phosphate; Intracellular calcium (Hartmann, H. (622) 86)

Aging; Enkephalin; Human; Leu-enkephalin; Met-enkephalin; Opioid (Rinne, J.O. (624) 131)

Tumor necrosis factor; Interleukin-1; Interleukin-6; Interleukin-1 receptor antagonist; Endotoxin; Rat (Gatti, S. (624) 291)

Basic fibroblast growth factor; mRNA; Rose bengal; Cerebral ischemia; In situ hybridization; Rat (Lippoldt, A. (625) 45)

Neuropeptide Y; Culture; Glia; Astrocyte; Neuron; Differentiation (Barnea, A. (625) 313)

Aging; Synaptic adhesion; Plasticity (Bahr, B.A. (628) 286)

Astrocyte; Culture; Goldfish; Neurogenesis (Sivron, T. (629) 199)

Cannabinoid; Δ^9-Tetrahydrocannabinol; Receptor; Pain; Analgesia; Antinociception; Rat; WIN55,212-2; CP-55,940 (Martin, W.J. (629) 300)

Calpain; Calpastatin; Hypoxia; Hypoxic-ischemia; Neonatal; Rat (Ostwald, K. (630) 289)

Opioid receptor; Nervous system; Growth; Opioid growth factor; Development; Zeta (ζ) receptor; Biochemistry; Antibody; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

Brain aging
Alzheimer's disease; Parkinson's disease; Huntington's disease; Calcium channel; Dihydropyridine L-type channel (Sen, A.P. (611) 216)

Morphometry; Mitochondrion; Aging; Cerebellum; Mitochondrial plasticity; Synaptic mitochondrion (Bertoni-Freddari, C. (628) 193)

Brain atrophy
Aging; Animal model; Inbred mouse; Conditional avoidance; T-maze (Shimada, A. (608) 266)

Brain cell culture
Astrocyte growth regulation; Prostaglandin; Protein kinase C α subtype; 12-*O*-Tetradecanolyphorbol 13-acetate (Sawada, M. (613) 67)

Brain cortex
Adenosine; Purine; Circadian rhythm; Sleep–wake cycle; Energy (Chagoya de Sánchez, V. (612) 115)

Brain damage
Neonatal rat; NMDA; Excitotoxicity; Diffusion; Magnetic resonance imaging (Verheul, H.B. (618) 203)

Seizure; Kainic acid; Kainate; Temperature (Liu, Z. (631) 51)

Brain-derived neurotrophic factor
Phosphoinosite metabolism; Neuronal cell culture; Neurotrophin-3; K-252b; Basic fibroblast growth factor; Survival (Widmer, H.R. (614) 325)

Brain derived-neurotrophic factor
TrkB; Brain; Immunohistochemistry; Neurotrophin; Rat (Zhou, X.-F. (622) 63)

Brain-derived neurotrophic factor
Nerve-growth factor; Dopamine; Intracerebral transplantation; Parkinson's disease (Sauer, H. (626) 37)

Brain dialysis
Striatal dopamine release; 6-Hydroxydopamine; Muscarinic receptors (De Klippel, N. (630) 57)

Brain endothelium
Cerebral microvessel; Blood–brain barrier; Potassium channel; Glibenclamide binding (Sullivan, H.C. (612) 336)

Brain injury
Nerve growth factor; Fibroblast growth factor; Human; Enzyme-linked immunoassay; PC12; Neurotrophic (Patterson, S.L. (605) 43)

Transplantation; Substantia nigra; Neurite; Fluorescence histochemistry; Kainic acid; Excitotoxic lesion (Takashima, H. (621) 71)

Astrocyte; Reactive gliosis; Estradiol; Progesterone; Testosterone; Cerebral cortex; Hippocampus; Dentate gyrus (Garcia-Estrada, J. (628) 271)

Brain ischemia
Morphine; Tolerance; Arginine vasopressin; Amnesia; Hypoxia; Scopolamine; Electroconvulsive shock (Sugimachi, N. (609) 93)

N-Methyl-D-aspartate; Initial association rate; NMDA domain; Glycine domain; Non-NMDA receptor (Yoneda, Y. (613) 21)

Brain lead
Chronic lead; Long-term potentiation; Dentate gyrus; Hippocampus; Induction (Lasley, S.M. (614) 347)

Brain mapping
Salmon calcitonin; Pain sensation; Body temperature; Intracerebral injection (Sellami, S. (616) 307)

Brain microdialysis
Acetylcholine release; Biopterin; Hippocampus; *p*-Chlorophenylalanine; α-Methyl-*p*-tyrosine; Catecholamine; Serotonin (Ohue, T. (607) 255)

Brain microvasculature
Prostaglandin E_2; Endotoxin; Choroid plexus; Paraventricular and supraoptic nucleus (Van Dam, A.-M. (613) 331)

Brain mitochondria
Hepatic encephalopathy; Hyperammonemia; Glutamate dehydrogenase (Faff-Michalak, L. (618) 299)

Brain natriuretic peptide
Atrial natriuretic peptide; C-type natriuretic peptide; Cerebrospinal fluid (Kaneko, T. (612) 104)

Brain neuron
Ca^{2+} antagonist; Oxidative metabolism; 2′,7′-Dichlorofluorescin diacetate; Ischemic brain damage (Oyama, Y. (610) 172)

Brain region
U-50,488H; Tolerance-dependence; Dynorphin (1–13); Pituitary; Spinal cord; Heart; Adrenal; Kidney (Bhargava, H.N. (600) 151)

Naltrexone; Morphine level; Spinal cord; Radioimmunoassay (Bhargava, H.N. (607) 1)

Kainic acid; Free fatty acid; Diacylglycerol; Seizure-related brain damage; Epilepsy (Birkle, D.L. (613) 115)

CRF; Noradrenaline; MHPG-SO_4; Stress; Corticosterone; CRF antagonist; α-Helical CRF_{9-41} (Emoto, H. (627) 171)

Brain reward
Marijuana; Cannabis; Cannabinoid; Δ^9-Tetrahydrocannabinol (Δ^9-THC); Dopamine; Ventral tegmental area; Nucleus accumbens; Microdialysis; Addiction (Chen, J. (621) 65)

Brain rich
Neuron-specific; Immunocytochemical; Developmental change; Protein 14 kDa; Nerve terminal; Presynapse (Shibayama-Imazu, T. (622) 17)

Brain slice
Hippocampus; CA1; Subiculum; Intracellular recording; Burst-firing; Intracellular staining (Mason, A. (600) 174)

Acetylcholine; Aging; 2-Deoxyglucose; AF64A; Cerebral cortex; Hippocampus; Muscarinic; Nicotinic (Shibata, S. (603) 248)

Kindling; Epilepsy; Synapse; Spine synapse; Hippocampal subfield CA1 (Chang, F.-L.F. (603) 302)

Noradrenaline; Fast cyclic voltammetry; Bed nucleus of stria terminalis; Electrical stimulation; Autoreceptor (Palij, P. (607) 134)

^{31}P NMR; ^{13}C NMR; Hippocampus; Depolarization (Ting, Y.-L.T. (610) 16)

Neocortex; Anoxic depolarization; Hypoxia; Extracellular calcium; Verapamil; *N*-Methyl-D-aspartate antagonist (Kral, T. (612) 278)

Bombesin; Gastrin-releasing peptide; Suprachiasmatic nucleus; Single-unit recording (Tang, K.-C. (614) 125)

Dopamine; Striatum; Nucleus accumbens; Electrical stimulation; Fast cyclic voltammetry (Davidson, C. (615) 229)

γ-Aminobutyric acid; Taste; Inhibition; Synaptic transmission (Wang, L. (616) 144)

Electrophysiology; Morphology; Neurokinin; Sensory system; Taste; Whole-cell recording (King, M.S. (619) 120)

MAP2; Cytoskeleton; Anoxia; In vitro (Kwei, S. (620) 203)

Neuropeptide Y; Suprachiasmatic nucleus; Circadian rhythm; Pacemaker; Intergeniculate leaflet; Rat (Medanic, M. (620) 281)

β-Oxalylamino-L-alanine; NADH-dehydrogenase; Quinoxalinediones; Excitatory amino acids; Glutamate receptor; Excitotoxin (Pai, K.S. (621) 215)

Metabotropic glutamate receptor; cAMP; mGluR2 mRNA; Forskolin (Genazzani, A.A. (622) 132)

Hippocampus; Adaptation; Electrophysiology; Epilepsy; Surgery; Inhibition (Williamson, A. (622) 194)

Excitatory amino acid; L-Glutamate; *N*-Methyl-D-aspartic acid; Ventral tegmental area; Electrophysiology (Wang, T. (627) 299)

Aluminum; Inositol phosphate; Muscarinic receptor; Adrenergic receptor; Metabotropic receptor (Shafer, T.J. (629) 133)

Arterial pressure; Chemoreceptor; Hypoxia; Hypercapnia; Rat; Rhodamine (Nolan, P.C. (630) 101)

Brain solute
Electrolyte; Glutamate; Hyponatremia; Osmolyte; Osmoregulation; Volume regulation (Verbalis, J.G. (606) 19)

Brain-specific protein
BP170; Western immunoblotting; Protein marker, soluble protein (Hui, M.P.-P. (606) 36)

Brainstem
Cerebral cortex; Choline acetyltransferase; Choline transporter site; Cholinergic nerve terminal; Hemicholinium-3 binding site; Hippocampus; Midbrain; Striatum (Zahalka, E.A. (601) 221)

Spinal cord injury; Regeneration; Command system; Lamprey; Locomotion; In vitro (Davis Jr., G.R. (602) 131)

Baroreceptor reflex; Blood pressure; c-*fos*; Catecholamine; Immunoreactivity; Rat; Volume receptor (Narváez, J.A. (602) 342)

Thalamus; Neuropeptide; Immunohistochemistry; Retrograde tracing; Rat (Lechner, J. (603) 47)

Apnea; Ethmoidal; Nucleus tractus solitarii; Respiratory neuron; Nasal mucosa; Respiratory reflex (Boissonade, F.M. (605) 345)

Limbic system; Autonomic pathway; Rostral ventrolateral medulla; Arterial pressure; Cardiovascular regulation (Giancola, S.B. (606) 162)

Maternal alcohol exposure; Rehabilitation; Ganglioside; Glycosidase; Cerebrum; Cerebellum (Prasad, V.V.T.S. (610) 75)

Nitric oxide; Central gray; Longitudinal column; Antinociception (Onstott, D. (610) 317)

Kindling; Interpeduncular nucleus; Amygdala; Bisection (Hirayasu, Y. (610) 354)

Interneuron; Trigeminal motor nucleus; Facial nucleus; Hypoglossal nucleus; Fluorescent tracer; Rat (Li, Y.-Q. (611) 160)

NMDA; Non-NMDA; Patch clamp; Whole cell (Zidichouski, J.A. (611) 313)

Gonadotropin-releasing hormone; Retrograde tracing; Dopamine β-hydroxylase; Rat (Wright, D.E. (621) 272)

Respiratory neuron; Cat; Substance P (4–11) amide; Serotonin; In vivo; Microiontophoresis (Rampin, O. (622) 185)

Amino acid; NMDA; Startle; Pontis caudalis (Miserendino, M.J.D. (623) 215)

Aging; Noradrenaline; Neuropeptide Y; α-Adrenoceptor; Hypothalamus (Huguet, F. (625) 256)

Human motor cortex; Spinal cord; Non-NMDA receptor; [^{3}H]CNQX binding; Autoradiography (Chinnery, R.M. (630) 75)

Brainstem neuronal networks
Whole-cell patch clamp; Synaptic activity; Re-excitation; Nucleus tractus solitarius; Excitatory amino acid (Fortin, G. (630) 125)

Brainstem nucleus
Serotonergic axon; Neurotoxicity; Methylenedioxyamphetamine; Immunocytochemistry; Rat (Harvey, J.A. (619) 1)

Brainstem slice
Electrophysiology; Nucleus tractus solitarii; Estradiol; Progesterone; Dorsal motor nucleus of the vagus; Ovarian steroid (Tolchard, S. (609) 21)

Vagal motoneuron; Autonomic; Medulla; Current clamp; Neuromodulation; Peptide; Potassium current (Livingston, C.A. (621) 97)

AMPA; Calcium; CNQX; Magnesium; Neuropeptide; Voltage-clamp (Alberi, S. (624) 326)

Brainstem trigeminal complex
Thalamus; Somatosensory system; Ventrobasal complex; Synaptic convergence (Wang, B.-R. (629) 253)

Brain stimulation reward
Dopamine; GBR 12909; Neurotensin; Quinpirole; Mesencephalon (Rompré, P.-P. (616) 154)

Sensitization; Tolerance; Ventral tegmental area; Morphine; Opiate; Circling; Locomotion (Bauco, P. (617) 303)

Morphine; MK-801; *N*-Methyl-D-aspartate; Addiction (Carlezon Jr., W.A. (620) 339)

Brain temperature
Cerebral ischemia; Gerbil; Hypothermia (Colbourne, F. (602) 264)

Non-REM sleep; Sleep deprivation; Sleep restriction; Thermoregulation; Anterior/preoptic hypothalamus (Morairty, S.R. (617) 10)

Cerebral ischemia; Gerbil; Hyperthermia; Anesthesia (Colbourne, F. (623) 1)

Electroencephalogram; Catheterization; Continuous intravenous infusion; Food intake; Water intake (Takahata, R. (623) 65)

Brain tissue oxygen
In vitro; Respiration; Hypoglossal nerve; Hypoxia; Ischemia (Schäfer, T. (618) 246)

Brain transplant
MPF; β-Endorphin 28–31; Parkinson's disease; Dopamine (Ensor, D.M. (610) 166)

Brain trauma
Steroid hormone; Edema; Tissue water content; Sex difference (Roof, R.L. (607) 333)

Fluid percussion; Lesion volume; Neuronal alteration; Glial activation (Toulmond, S. (620) 24)

Eliprodil; Neuroprotection; NMDA receptor (Toulmond, S. (620) 32)

Brain vasopressin
Clonidine; Central pressor response; Paraventricular nucleus; Conscious rat (Ebihara, H. (624) 44)

Bretazenil
Benzodiazepine; Ro 15-4513; Ro 17-1812; Palatability; Salt (Cooper, S.J. (612) 313)

Broca diagonal band
Co-culture; Melanin-concentrating hormone-expressing neuron; Arcuate nucleus; Neurotrophic factor; Neurite promoting factor; Glia; Neuron (Compagnone, N. (628) 137)

Brodmann's area 22
cAMP binding; PDBu binding; G-protein immunoreactivity; Human postmortem brain; Schizophrenia (Nishino, N. (615) 41)

2-Bromo-α-ergocryptine
Morphine; Tolerance dependence; Abstinence; Rat; Dopamine D_2 receptor; Spiroperidol; Behavioral activity; Receptor density; Apparent dissociation constant (Reddy, P.L. (607) 293)

Bromocriptine
Acetylcholine; L-β-3,4-Dihydroxyphenylalanine; Microdialysis; Parkinson's disease; Striatum (DeBoer, P. (608) 198)

Bromodeoxyuridine
Vestibular nucleus; Spinal cord; Neurogenesis; Fluorescent tracer (Kitao, Y. (620) 149)

Bronchoconstriction
Airway control; Autonomic nervous system; Central chemosensitivity; Cough reflex; Ondine's curse; Respiratory control; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Brown adipose tissue
Ventromedial hypothalamic nucleus; Lateral hypothalamic area; Dorsomedial hypothalamic nucleus; Paraventricular nucleus; Preoptic area (Yoshimatsu, H. (601) 121)

Spontaneously hypertensive rat; Paraventricular nucleus; Prostaglandin E_2 (Bhatnagar, S. (613) 285)

Microdialysis; Peptide; Norepinephrine; Serotonin; 3,4-Dihydroxyphenylacetic acid; Noradrenaline (Shimizu, H. (630) 95)

Brush border membrane
Choroid plexus; Cerebrospinal fluid; Serotonin; Serotonin 5-HT_{1c} receptor; Cl^- channel; K^+ channel (Hung, B.C.P. (617) 285)

BTCP
6-Hydroxydopamine; MPTP; Neuronal degeneration; Dopamine uptake inhibition; Neuroprotection; Morphology paramater (Cerruti, C. (617) 138)

BUBU
δ Opioid receptor; Arthritic rat; Chronic pain (Desmeules, J.A. (611) 243)

Buffer capacity
Neuron; Astrocyte; Cortical tissue; Direct titration; NH_4^+ method; CO_2 method; Propionate (Katsura, K.-i. (618) 283)

Bulbectomy
Regeneration; Lipophilic tracer DiI; DiI; Tract tracing; Sensory system; Teleost; Topography; Autoradiography (Stewart, J.S. (628) 243)

Bullfrog
Salt stimulus; Glossopharyngeal nerve; Integrated response; Adaptation; Inhibition; 5′-GMP (Miyamoto, T. (629) 345)

Bumetanide
Chloride transport; Cerebrospinal fluid; Choroid plexus; DIDS; Acetazolamide; DPC; Rat (Preston, J.E. (624) 181)

α-Bungarotoxin
Acetylcholine receptor; Nicotine; Carbachol; Taste (Liu, L. (617) 37)

Helix; Lectin; Acetylcholine receptor; Concentration clamp; Desensitization (Arvanov, V.L. (615) 252)

Burst
Calcium channel; Plateau potential; Synapse; Electrical coupling; Lobster; Crustacea (Zirpel, L. (617) 205)

Burst-firing
Hippocampus; CA1; Subiculum; Brain slice; Intracellular recording; Intracellular staining (Mason, A. (600) 174)

Apamin; Ventral tegmental area (Seutin, V. (630) 341)

Bursting
Diethyldithiocarbamate; Zinc; Seizure; Epileptiform activity; Hippocampal slice (Xu, H. (624) 162)

Burst-organizing potential
Cardiac ganglion; Driver potential; Tetraethylammonium ion; Barium; Crustacean; Lobster (Berlind, A. (609) 51)

Buspirone
Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1C} receptor; Serotonin 5-HT_2 receptor; Oxytocin; Vasopressin; Male rat; DOI; Ipsapirone; 8-OH-DPAT; Ritanserin; NAN-190 (Bagdy, G. (611) 330)

Serotonin 5-HT_{1A} receptor; 8-Hydroxy-DPAT; Cardiac vagal motoneuron; Upper airway; Smoke; Anesthetized rabbit (Futuro-Neto, H.A. (629) 349)

***t*-Butylbicyclophosphorothionate**
Picrotoxin; γ-Aminobutyric acid; γ-Butyrolactone; γ-Aminobutyric acid receptor (Holland, K.D. (615) 170)

γ-Butyrolactone
Picrotoxin; γ-Aminobutyric acid; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric acid receptor (Holland, K.D. (615) 170)

C

C1-C3 areas
Canine medulla oblongata; Autonomic nervous system; Catecholamine-synthesizing enzyme; Immunocytochemistry (Dormer, K.J. (601) 41)

C6 glioma
Cell swelling; Lactacidosis; Glutamate; Torasemide (Staub, F. (610) 69)

CA1
Long-term potentiation; Long-term depression; Theta rhythm; Hippocampus; Norepinephrine; Adenosine (Larson, J. (600) 97)

Hippocampus; Subiculum; Brain slice; Intracellular recording; Burst-firing; Intracellular staining (Mason, A. (600) 174)

α-Difluoromethylornithine; Hippocampus; Putrescine; γ-Aminobutyric acid$_A$; Ornithine decarboxylase (Ferchmin, P.A. (601) 95)

Epilepsy; Seizure; Facilitation; Pyramidal cell (Bekenstein, J. (601) 111)

Rat hippocampal slice; δ Opioid receptor; μ Opioid receptor; Electrophysiology; Population spike (Watson, G.B. (601) 129)

Hippocampus; MK-801; Mg^{2+}; Ischemia; Rat (Papas, S. (607) 54)

Passive avoidance behavior; Neuronal degeneration; Hippocampus; Chronic ischemic model; Gerbil (Yamamoto, M. (608) 16)

Hippocampus; Conditioning; Rabbit; Jaw movement (Swain, C.G.O.R.A. (608) 150)

Spreading depression; Glutamate receptor; *N*-Methyl-D-aspartate; Hippocampus; Neuron dendrite; Neuron soma (Herreras, O. (610) 276)

Lithium; G-protein; Hippocampus; Postsynaptic; Metabotropic glutamate receptor (Ballyk, B.A. (611) 81)

Cerebral ischemia; Excitatory amino acid; Hippocampus; Long-term potentiation (Miyazaki, S. (611) 155)

NMDA; Synaptic activation; Antidromic; Firing blockade; Axon–soma transmission; In situ (Herreras, O. (616) 330)

Colchicine; Dentate gyrus; Extracellular recording; Evoked field potential; Neural transplantation (Dawe, G.S. (625) 63)

CA1 neuron
Long-term potentiation; Hippocampal slice; α-Tocopherol; L-Ascorbic acid; Free radical; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Chronic cerebrovascular insufficiency; Neuronal rescue; Hippocampus; Reactive astrocytosis; Cerebral blood flow; Dementia (De la Torre, J.C. (623) 6)

CA1 pyramidal cell
Glutamate; Hippocampus; Excitatory amino acid; 2-Amino-4-phosphonobutanoic acid (Schulte, M.K. (605) 85)

CA1 Pyramidal neuron
Ammonium ion; Hippocampal slice; Synaptic transmission; Quisqualate; *N*-Methyl-D-aspartate (Fan, P. (632) 225)

CA1 region
P3; P300; Evoked potential; Hippocampus; Rat (Caudle, R.M. (613) 247)

CA2 region
Hippocampus; Gerbil; Selective vulnerability; Cerebral ischemia (Akai, F. (603) 87)

CA3 pyramidal cell
Protein malnutrition; Hippocampus; Morphometric Golgi study (García-Ruiz, M. (625) 203)

CA3 region
Long-term potentiation; Carbachol; Muscarinic receptor subtype; Hippocampal slice; Guinea-pig (Maeda, T. (619) 324)

Ca current
Calcium-gated chloride current; Ba current; Trigeminal root ganglion; Cultured cell; Marine catfish (Ogura, T. (621) 10)

Ca^{2+}
Photoreceptor; Cone; Synaptic ribbon; Phosphoinositide (Schmitz, F. (604) 142)

Calmodulin; Protein kinase; Postsynaptic density; Autophosphorylation (Ochiishi, T. (610) 97)

Adenosine; A1 receptor; Hippocampus; Mg^{2+}; Presynaptic inhibition; Synaptic modulation (Smith, D.A. (617) 61)

Alzheimer's disease; Cerebral cortex; K^+; Ion channel (Ikeda, M. (630) 50)

$\Delta[Ca^{2+}]_i$
Cytosolic calcium; Fura-2; NMDA; Neuron; Resting $[Ca^{2+}]_i$ (Nakajima, K. (603) 321)

Ca^{2+}-activated K^+ current
Caffeine; Rat hippocampus; Dissociated pyramidal neuron; Nystatin-perforated patch; Ca^{2+}-induced Ca^{2+} release (Uneyama, H. (604) 24)

Ca^{2+} antagonist
Rat; Frontal cortex; Dissociated neuron; Perforated patch; Ca^{2+} current; ω-Conotoxin; Nicardipine (Ye, J.H. (606) 111)

Oxidative metabolism; Brain neuron; 2′,7′-Dichlorofluorescin diacetate; Ischemic brain damage (Oyama, Y. (610) 172)

Ca^{2+} channel
Flunarizine; Glutamate release; Na^+ channel; Veratridine; Ouabain; Tetrodotoxin (Cousin, M.A. (606) 227)

Opioid; ω-Conotoxin; DADLE; Differentiation; NG108-15 (Jin, W. (607) 17)

Ca^{2+} channel blocker
Calcium; Intraventricular injection; Spontaneously hypertensive rat; Wistar-Kyoto rat; Sympathetic nervous system (Kusano, S. (618) 63)

Ca^{2+} concentration
Adenosine A_1 receptor; Goldfish brain synaptosome; Glutamate release; Fura-2 (Poli, A. (620) 245)

Ca^{2+} current
Somatotroph; Growth hormone; Acromegaly; Patch-clamp; Electrophysiology (Chen, C. (604) 345)

Rat; Frontal cortex; Dissociated neuron; Perforated patch; Ca^{2+} antagonist; ω-Conotoxin; Nicardipine (Ye, J.H. (606) 111)

Ca^{2+}-induced Ca^2 + release
Caffeine; Rat hippocampus; Dissociated pyramidal neuron; Nystatin-perforated patch; Ca^{2+}-activated K^+ current (Uneyama, H. (604) 24)

Ca^{2+} spike
Neurotoxin; DSP-4; Locus coeruleus; Noradrenergic neuron; Electrophysiology (Magnuson, D.S.K. (628) 317)

Ca^{2+} uptake
c-*fos* mRNA expression; Membrane potential; Cortical lesion; In situ hybridization (Ruzdijic, S. (601) 230)

^{45}Ca
Cerebral concussion; Calcium; Contusion; Traumatic brain injury (Fineman, I. (624) 94)

$^{45}Ca^{2+}$ influx
NMDA; Phencyclidine-like; Polyamine; Glutamate; Glycine; Cannabinoid (Nadler, V. (622) 79)

Caffeine
Rat hippocampus; Dissociated pyramidal neuron; Nystatin-perforated patch; Ca^{2+}-activated K^+ current; Ca^{2+}-induced Ca^2 + release (Uneyama, H. (604) 24)

Chick ciliary ganglion cell; Cytosolic free calcium; Fura-2 microfluorometry; Muscarinic agonist; Ryanodine; Thapsigargin (Sorimachi, M. (627) 34)

Caffeine ingestion
Excitatory amino acid toxicity; Hippocampus; Adenosine A_1 receptor (Georgiev, V. (612) 271)

Calbindin-D_{28k}
Parvalbumin; γ-Aminobutyric acid; Piriform cortex; Co-localization; Basket cell (Kubota, Y. (600) 339)

Chromogranin A; Parvalbumin; SMI-32; Neuropeptide; Neocortex; Immunohistochemistry (Adams, L.A. (602) 336)

Parvalbumin; Calcium-binding protein; Edinger–Westphal nucleus; Accommodation; Pupilloconstriction; Ciliary ganglion (Fujii, J.T. (605) 200)

Basal ganglia; Calcium-binding protein; Nicotinamide-adenine dinucleotide phosphate-diaphorase; Co-localization (Bennett, B.D. (610) 305)

Calretinin; Parvalbumin; Olfactory epithelium; Vomeronasal organ; Septal organ; Immunohistochemistry (Kishimoto, J. (610) 325)

Lateral septum; Met-enkephalin; Somatospiny neuron (Doutrelant, O. (615) 335)

In situ hybridization; Striosome; Matrix; Basal forebrain (Rappaport, M.S. (616) 242)

Calcium-binding protein; S-100; Parvalbumin; Calmodulin; Inner ear; Sensory hair cell (Kerschbaum, H.H. (617) 43)

Calcium-binding protein; Calretinin; Parvalbumin; Paraventricular nucleus; Supraoptic nucleus; Rat (Arai, R. (618) 323)

Calretinin; Dorsal root ganglia; Herbst corpuscle; Muscle spindle; Rapid adaptation (Duc, C. (622) 321)

Cholinergic neuron; Medial septal nucleus; Nucleus of diagonal band of Broca; Coexistence; Immunocytochemistry; Monkey (Ichitani, Y. (625) 328)

Calcium-binding protein; Vasopressin; Coexistence; Supraoptic nucleus; Paraventricular nucleus; Rat (Arai, R. (632) 342)

Calbindin-like immunoreactivity
Hippocampal formation; Interneuron; Projection neuron; Paridae and corvidae; Food-storing behaviour (Montagnese, C.M. (614) 291)

Calcitonin gene-related peptide
Rat; Ventral root; Pia mater; Afferent; Axon; Immunohistochemistry; Substance P (Karlsson, M. (600) 298)

Rat; Dorsal root ganglion; Spinal cord; Cathepsin B; Cathepsin H; Cathepsin L; Immunocytochemistry; Co-localization (Taniguchi, K. (601) 143)

Coexistence; Substance P; Immunohistochemistry; Carotid labyrinth (Kusakabe, T. (603) 153)

Anorexia; Diabetes-associated peptide; Corpus striatum; Hypothalamus; 3-Methoxytyramine; Dopamine; Serotonin; Glucose (Chance, W.T. (607) 185)

Spinal cord; In vivo release; μ ∂ and κ Opioid receptors; Morphine (Collin, E. (609) 211)

Immunocytochemistry; Paraventricular nucleus; Pituitary gland; Sheep; Supraoptic nucleus (Herbison, A.E. (611) 147)

Nerve growth factor receptor; Immunohistochemistry; Dorsal root ganglion; Sensory neuron (Zhou, X.-F. (612) 322)

Gpp(NH)p; Receptor affinity site; Receptor subtype; G-protein; Brain; Atria; Vas deferens (Van Rossum, D. (617) 249)

Glutamate; Substance P; Aspartate; Inflammation; Dorsal horn; Microdialysis; Lidocaine (Sluka, K.A. (627) 89)

Substance P; Trigeminal ganglion; Pericellular arborization; Electron microscopy; Monkey (Prins, M. (629) 315)

Circadian rhythm; Geniculogeniculate projection; Intergeniculate leaflet; Mouse; Suprachiasmatic nucleus (Park, H.T. (629) 335)

Calcium
Retina; Parvalbumin; Calcium-binding protein; Immunohistochemistry (Sanna, P.P. (600) 141)

Microfluorometry; Rhod-2; Hippocampus; Dantrolene; Extracellular DC potential; Ischemia-like condition; Gerbil (Mitani, A. (601) 103)

Neurotoxicity; Corticosterone; Glucocorticoid; Stress; Hippocampus (Elliott, E.M. (602) 84)

Neurotoxicity; Amphetamine; Glutamate; Anticonvulsant; Voltage-sensitive channel (Finnegan, K.T. (603) 134)

N-Methyl-D-aspartate; Arachidonate; Diacylglycerol lipase; Monoacylglycerol lipase (Farooqui, A.A. (604) 180)

Astrocyte; Lactic acid; Acidosis; Extracellular ATP; Purinergic receptor (Neary, J.T. (604) 211)

Spreading depression; Hippocampus; Hypoxia; Ischemia; Calcium channel; Potassium (Jing, J. (604) 251)

Activity; Transmitter release; Motor terminal; Plasticity; Synapse (Hong, S.J. (605) 121)

Fibroblast growth factor; Excitotoxicity; Hypoglycemia; Nerve growth factor; Neuron death; Nifedipine; Patch clamp (Cheng, B. (607) 275)

Neurotoxicity; Fura-2; Trypan blue; Ethidium homodimer (Tymianski, M. (607) 319)

Glucose; Hypoxia; Hypoglycemia; Cortex; Cell culture (Birrell, G.J. (607) 337)

DNA fragmentation; Rat; Cerebral ischemia; Endonuclease; Nucleus; Gel electrophoresis (Tominaga, T. (608) 21)

Bradykinin; Tyrosine hydroxylase; Dopamine β-hydroxylase; mRNA; Catecholamine (Gebreyesus, K. (608) 345)

Retina cell; γ-Aminobutyric acid release; Glutamate; Nitrendipine; ω-Conotoxin GVIA; NNC-711 (Duarte, C.B. (611) 130)

Ischemia; Energy depletion; Excitatory amino acid (Kim-Lee, M.H. (613) 156)

Delayed neuronal death; NMDA receptor antagonist; Gerbil; Microtubule-associated protein 2; Cerebral ischemia (Nakamura, K. (613) 181)

Pinealocyte; Norepinephrine; Melatonin; Cyclic nucleotide; *N*-Acetyltransferase; Image analysis (Schaad, N.C. (614) 251)

Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Phenylbiguanide; Calcium ionophore; Phorbol ester; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Astrocyte; Inositol polyphosphate; Lead; Norepinephrine; Phospholipase C (Dave, V. (618) 9)

Photoreceptor; Second messenger; Transduction; Crayfish; Inositol trisphosphate; GTP; Caudal photoreceptor (Kruszewska, B. (618) 32)

Intraventricular injection; Spontaneously hypertensive rat; Wistar-Kyoto rat; Ca^{2+} channel blocker; Sympathetic nervous system (Kusano, S. (618) 63)

Glutamate; Cerebellar slice; Veratridine (Dickie, B.G.M. (619) 247)

Interleukin 1; Interferon; Tumor necrosis factor; Glia; Oscillations; Forskolin; Fura-2 (Holliday, J. (621) 233)

Cerebral concussion; ^{45}Ca; Contusion; Traumatic brain injury (Fineman, I. (624) 94)

AMPA; Brainstem slice; CNQX; Magnesium; Neuropeptide; Voltage-clamp (Alberi, S. (624) 326)

Macrolide antibiotic; FK-506; Excitotoxicity; *N*-Methyl-D-aspartate; Glutamate; Cerebellar granule neuron; CPD (Manev, H. (624) 331)

Sympathetic ganglion; M-current; Inositol 1,4,5-trisphosphate; Potassium current; Patch-clamp; Muscarinic receptor; Phosphorylation (Chen, H. (625) 323)

N-Methyl-D-aspartate; Striatum; Neuron; Subpopulation (Weiss, S. (627) 63)

Calcium-activated non-selective channel
Dorsal root ganglion cell; Calcium activation; Phosphorylation (Razani-Boroujerdi, S. (623) 195)

Calcium activation
Dorsal root ganglion cell; Calcium-activated non-selective channel; Phosphorylation (Razani-Boroujerdi, S. (623) 195)

Calcium antagonist
Dopamine; Norepinephrine; Electrical stimulation; In vivo voltammetry; Voltage-sensitive calcium channel (Mitchell, K. (604) 349)

Cerebral blood flow; Autoregulation; Laser Doppler flowmetry; Rabbit (Florence, G. (625) 301)

Calcium channel; Nifedipine; Bay K 8644; Vestibular nucleus (Sansom, A.J. (630) 349)

Calcium-binding protein
Retina; Parvalbumin; Calcium; Immunohistochemistry (Sanna, P.P. (600) 141)

Rodent brain; Intracellular buffer; Radioimmunoassay; Image analysis (Plogmann, D. (600) 273)

Calcium binding protein
Tyrosine hydroxylase; Frontal cortex; Substantia nigra; Primate (Gaspar, P. (603) 166)

Calcium-binding protein
Parvalbumin; Calbindin-D_{28k}; Edinger–Westphal nucleus; Accommodation; Pupilloconstriction; Ciliary ganglion (Fujii, J.T. (605) 200)

Basal ganglia; Calretinin; Parvalbumin; GABAergic interneuron; Cholinergic interneuron; NADPH-diaphorase neurone (Bennett, B.D. (609) 137)

Basal ganglia; Calbindin-D28k; Nicotinamide-adenine dinucleotide phosphate-diaphorase; Co-localization (Bennett, B.D. (610) 305)

Calretinin; Cerebellum; Granule cell; Parallel fiber; Mossy fiber; Puncta adhearentia; Rat (Arai, R. (613) 300)

Calretinin; Superior colliculus; Eye enucleation; Retinal deafferentation; Plasticity; Immunohistochemistry; Rat (Arai, M. (613) 341)

S-100; Parvalbumin; Calbindin-D28K; Calmodulin; Inner ear; Sensory hair cell (Kerschbaum, H.H. (617) 43)

Calretinin; Calbindin-D28k; Parvalbumin; Paraventricular nucleus; Supraoptic nucleus; Rat (Arai, R. (618) 323)

Calretinin; Dorsal root ganglia; Spinal cord; Rat; Hybridization, in situ (Heppelmann, B. (624) 312)

Calbindin-D28k; Vasopressin; Coexistence; Supraoptic nucleus; Paraventricular nucleus; Rat (Arai, R. (632) 342)

Calcium / calmodulin-dependent protein kinase II
cAMP-dependent protein kinase; Alzheimer's disease; Tau; Tubulin; Calpain (Litersky, J.M. (604) 32)

Calcium channel
Fura-2; Mitochondria; Frequency (Bleakman, D. (600) 257)

Human neuroblastoma (SH-SY5Y); Single channel; Dihydropyridine; Bay K 8644 (Reuveny, E. (603) 64)

Spreading depression; Calcium; Hippocampus; Hypoxia; Ischemia; Potassium (Jing, J. (604) 251)

Benzodiazepine receptor; Diazepam; Nitrazepam; Clonazepam; Ro5-4864 (Watabe, S. (606) 244)

Neuromuscular junction; Transmitter release; Synaptic transmission; Facilitation; ω-Conotoxin (Zengel, J.E. (611) 25)

Alzheimer's disease; Parkinson's disease; Huntington's disease; Dihydropyridine L-type channel; Brain aging (Sen, A.P. (611) 216)

Lamotrigine; Anticonvulsant; $GABA_A$; Sodium channel; L-Glutamate; Benzodiazepine; Patch clamp (Lees, G. (612) 190)

Nerve terminal; Norepinephrine; Ryanodine; Stellate ganglion; Sympathetic nerve activity (Gurnett, C.A. (612) 238)

Ethanol; Hippocampal neuron; Short-sleep mice; Long-sleep mouse; Tolerance (Huang, G.-J. (615) 328)

Hippocampus; ω-Conotoxin; γ-Aminobutyric acid; Glutamate; G-protein; Neurotransmitter release (Potier, B. (616) 236)

Burst; Plateau potential; Synapse; Electrical coupling; Lobster; Crustacea (Zirpel, L. (617) 205)

Neurotransmitter release; *R*-Prolinol; Ethanolamine; Diltiazem (Bostwick, J.R. (629) 79)

Calcium antagonist; Nifedipine; Bay K 8644; Vestibular nucleus (Sansom, A.J. (630) 349)

Toosendanin; Motor nerve terminal; Effect on membrane current; Perineurial recording; Transmitter release; Potassium channel (Xu, Y. (631) 46)

Calcium channel blocker
Lindane; Convulsion; δ-HCH antagonism; Calmodulin antagonist (Tusell, J.M. (622) 99)

Epilepsy; Penicillin; Pentylenetetrazol; Verapamil (Köhling, R. (626) 149)

Calcium channel current
Mercury; Rat dorsal root ganglion (DRG) neuron; *Aplysia* neuron (Pekel, M. (632) 121)

Calcium dependent potassium channel
Low voltage activated calcium channel; High voltage activated calcium channel; Sodium channel; Potassium channel; Primary sensory neuron; Spinal cord; Lamprey (Christenson, J. (608) 58)

Calcium flux
Pheochromocytoma; PC12; Ethanol; Patch clamp; Tolerance (Grant, A.J. (600) 280)

Calcium-gated chloride current
Ca current; Ba current; Trigeminal root ganglion; Cultured cell; Marine catfish (Ogura, T. (621) 10)

Calcium-induced calcium release
Excitatory amino acid; Confocal microscopy; Fluo-3 (Kocsis, J.D. (616) 273)

Calcium ion channel
Ryanodine binding protein; Purkinje neuron; Intracellular membrane system; Antibody; Brain (Ouyang, Y. (620) 269)

Calcium ionophore
Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Phenylbiguanide; Calcium; Phorbol ester; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Calcium ionophore A23187
Vestibular dysfunction; Semicircular canal; Electrophysiological recording; Calcium reduction (Aubert, A. (607) 301)

Calcium-mediated neuronal injury
Anoxia; Axon; Cytoskeleton; Microtubule; Neurofilament (Waxman, S.G. (614) 137)

Calcium pool
Intracellular calcium; Calcium regulation; Immunohistochemistry; In situ hybridization (Campbell, A.M. (605) 67)

Calcium reduction
Vestibular dysfunction; Semicircular canal; Electrophysiological recording; Calcium ionophore A23187 (Aubert, A. (607) 301)

Calcium regulation
Intracellular calcium; Calcium pool; Immunohistochemistry; In situ hybridization (Campbell, A.M. (605) 67)

Calcium transport
Lipid peroxidation; Synaptosome; γ-Aminobutyric acid transport (Palmeira, C.M. (609) 117)

Calcium uptake
Rat cerebellar granule cell; Intracellular free calcium concentration; High K^+ stimulation; Inositol trisphosphate; Inositol pentakisphosphate; Inositol hexakisphosphate; Central nervous system (Sasakawa, N. (623) 155)

CALLA
Neutral endopeptidase 24.11; Transplantation; Glial fibrillary acidic protein; Cortex; Ventral mesencephalon; Enkephalinase; Transforming growth factor α (Back, S.A. (612) 85)

Callosotomy
Dodging; Thigmotaxis; Lateralized behavior; Rotational behavior; Striatum; Amphetamine; Apomorphine; Interhemispheric (Sullivan, R.M. (609) 347)

Calmodulin
Superior colliculus slice; Synaptic potential; Long-term potentiation; Protein kinase C; Induction; Maintenance (Miyamoto, T. (605) 287)

Ca^{2+}; Protein kinase; Postsynaptic density; Autophosphorylation (Ochiishi, T. (610) 97)

Calcium-binding protein; S-100; Parvalbumin; Calbindin-D28K; Inner ear; Sensory hair cell (Kerschbaum, H.H. (617) 43)

Nitric oxide synthase; Soluble guanylyl cyclase; cGMP; Locust; *Schistocerca gregaria* (Elphick, M.R. (619) 344)

Calmodulin antagonist
Lindane; Convulsion; δ-HCH antagonism; Calcium channel blocker (Tusell, J.M. (622) 99)

Caloric restriction
Mouse; Brain; Aging; Gliosis; White matter (Bronson, R.T. (609) 124)

Calorimetry
Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Calpain
cAMP-dependent protein kinase; Calcium/calmodulin-dependent protein kinase II; Alzheimer's disease; Tau; Tubulin (Litersky, J.M. (604) 32)

Cerebral ischemia; Neuroprotection; Prostaglandin B_1; Di-Calciphor (Lin, R.C.S. (606) 130)

Excitotoxicity; Cerebellum; AMPA; Proteolysis; Purkinje cell (Caner, H. (607) 354)

Calpastatin; Eye; Immunohistochemistry; Rabbit (Persson, H. (611) 272)

Calpastatin; Hypoxia; Hypoxic-ischemia; Neonatal; Rat; Brain (Ostwald, K. (630) 289)

Calpain-inhibitor I
Leupeptin; Ischemia; Hippocampus; Hypoxia (Rami, A. (609) 67)

Calpastatin
Calpain; Eye; Immunohistochemistry; Rabbit (Persson, H. (611) 272)

Calpain; Hypoxia; Hypoxic-ischemia; Neonatal; Rat; Brain (Ostwald, K. (630) 289)

Calphostin C
Glutamate neurotoxicity; Protein kinase C; H7 (Felipo, V. (604) 192)

Calretinin
Basal ganglia; Calcium-binding protein; Parvalbumin; GABAergic interneuron; Cholinergic interneuron; NADPH-diaphorase neurone (Bennett, B.D. (609) 137)

Calbindin-D28k; Parvalbumin; Olfactory epithelium; Vomeronasal organ; Septal organ; Immunohistochemistry (Kishimoto, J. (610) 325)

Calcium-binding protein; Cerebellum; Granule cell; Parallel fiber; Mossy fiber; Puncta adhearentia; Rat (Arai, R. (613) 300)

Calcium-binding protein; Superior colliculus; Eye enucleation; Retinal deafferentation; Plasticity; Immunohistochemistry; Rat (Arai, M. (613) 341)

Carbonic anhydrase; Tachykinin; Trigeminal ganglion; Dorsal root ganglion; Rat (Ichikawa, H. (617) 96)

Calcium-binding protein; Calbindin-D28k; Parvalbumin; Paraventricular nucleus; Supraoptic nucleus; Rat (Arai, R. (618) 323)

Calbindin D-28k; Dorsal root ganglia; Herbst corpuscle; Muscle spindle; Rapid adaptation (Duc, C. (622) 321)

Calcium binding proteins; Dorsal root ganglia; Spinal cord; Rat; Hybridization, in situ (Heppelmann, B. (624) 312)

Tachykinin; Nasal mucosa; Cornea; Trigeminal ganglion; Rat (Ichikawa, H. (629) 231)

CaM kinase
Cocaine; Hippocampus; Long-term potentiation; Memory; Local anesthetic; Synapsin I (Smith, D.A. (608) 259)

CaM kinase II
Carbon disulfide; Phosphorylation; Cytoskeletal protein (Wilmarth, K.R. (628) 293)

cAMP binding
PDBu binding; G-protein immunoreactivity; Brodmann's area 22; Human postmortem brain; Schizophrenia (Nishino, N. (615) 41)

Canine artery
Nitric oxide synthase; Immunohistochemistry; Nitroxidergic innervation; Vasodilator nerve (Yoshida, K. (629) 67)

Canine medulla oblongata
C1-C3 areas; Autonomic nervous system; Catecholamine-synthesizing enzyme; Immunocytochemistry (Dormer, K.J. (601) 41)

Cannabidiol
Tetrahydrocannabinol; CP-55,940; Catalepsy; Tolerance; Autoradiography (Oviedo, A. (616) 293)

Cannabinoid
Marijuana; Cannabis; Δ^9-Tetrahydrocannabinol (Δ^9-THC); Dopamine; Ventral tegmental area; Nucleus accumbens; Microdialysis; Brain reward; Addiction (Chen, J. (621) 65)

NMDA; Phencyclidine-like; Polyamine; Glutamate; Glycine; $^{45}Ca^{2+}$ influx (Nadler, V. (622) 79)

Δ^9-Tetrahydrocannabinol; Receptor; Pain; Analgesia; Antinociception; Brain; Rat; WIN55,212-2; CP-55,940 (Martin, W.J. (629) 300)

Cannabinoid receptor
Δ^9-Tetrahydrocannabinol; (−)-CP-55,940; Reinforcement; Operant conditioning; Hippocampal CA1 cell; Extracellular recording; Marijuana (Xue, B.G. (626) 272)

Cannabis
Marijuana; Cannabinoid; Δ^9-Tetrahydrocannabinol (Δ^9-THC); Dopamine; Ventral tegmental area; Nucleus accumbens; Microdialysis; Brain reward; Addiction (Chen, J. (621) 65)

Capillary
Spontaneously hypertensive rat; Wistar–Kyoto rat; Arteriole; Venule; Cerebral microvessel; Hydrocephalus; Cerebral atrophy (Gesztelyi, G. (611) 249)

Caprine β-mannosidosis
Myelin; Hypomyelinating mutant; Myelin basic protein; Myelin-associated glycoprotein; Proteolipid protein; 2′,3′-Cyclic nucleotide 3′-phosphodiesterase; Glial fibrillary acidic protein (Sasaki, M. (620) 127)

Capsaicin
c-*fos*; Bombesin; Cholecystokinin; Nucleus of the solitary tract; Hypothalamus (Bonaz, B. (600) 353)

Adenosine 5′-triphosphate; Spinal cord; Synaptosome; Rhizotomy; 6-Hydroxydopamine (Sawynok, J. (610) 32)

Serotonin receptor; 5,7-Dihydroxytryptamine; 6-Hydroxydopamine; DSP-4; Ibotenic acid; Kainic acid; Rhizotomy (Kidd, E.J. (612) 289)

Synovial anaphylaxis; Synovial blood flow; Neurogenic inflammation (Cambridge, H. (618) 238)

Algesic chemical; Bradykinin; Chemoreceptor; Mechanoreceptor; Nociceptor; Visceral afferent (Hong, S.K. (622) 215)

Carbachol
Muscarinic receptor; Cyclic GMP; Nitric oxide; Cortical cell culture; Nitric oxide synthase inhibitor (Castoldi, A.F. (610) 57)

Hypoglossal motoneuron; Rapid eye movement sleep; GABA; Glycine; Atonia; Strychnine; Bicuculline (Kubin, L. (611) 300)

Microdialysis, in vivo; Dopamine; Acetylcholine; Naloxone (Kischka, U. (613) 288)

Acetylcholine receptor; Nicotine; α-Bungarotoxin; Taste (Liu, L. (617) 37)

Long-term potentiation; Muscarinic receptor subtype; Hippocampal slice; CA3 region; Guinea-pig (Maeda, T. (619) 324)

Amygdala; K^+ current; Afterhyperpolarization; Accommodation (Womble, M.D. (621) 87)

Ventromedial nucleus; Neostigmine; Adrenal medulla; Gluconeogenesis; Glucose; Lactate (Brito, N.A. (626) 339)

Corticosteroid hormone; Hippocampus; Intracellular recording; Rat (Hesen, W. (627) 159)

Theta (θ) rhythm; Hippocampus; Septum; Atropine; Cholinergic; Septal infusion (Monmaur, P. (631) 317)

Carbamazepine
Cocaine; Pharmacogenetics; Pharmacokinetic; Inbred mouse strain; Seizure; Anticonvulsant; Cytochrome P-450 (Marley, R.J. (600) 193)

Neuropathy; Hyperalgesia; Morphine; Clonidine; (±)-Baclofen (Smith, G.D. (632) 16)

Carbohydrate
Corticosterone; Mineralocorticoid receptor; Glucocorticoid receptor; Paraventricular nucleus; Feeding; Fat (Tempel, D.L. (614) 197)

Neuropeptide Y; Arcuate nucleus; Macronutrient; Paraventricular nucleus; Dorsomedial nucleus; Body weight; Feeding (Jhanwar-Uniyal, M. (631) 97)

Carbohydrate utilization
Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Carbon disulfide
CaM kinase II; Phosphorylation; Cytoskeletal protein (Wilmarth, K.R. (628) 293)

Carbonic anhydrase
Nociception; Chemonociception; Paresthesia; Chemoreceptor; Irritation (Komai, M. (612) 122)

Calretinin; Tachykinin; Trigeminal ganglion; Dorsal root ganglion; Rat (Ichikawa, H. (617) 96)

Carbon monoxide
Prenatal exposure; Behavior; Rat (Di Giovanni, V. (616) 126)

Carboxypeptidase E/H
Peptidylglycine α-amidating monooxygenase; Furin; Transthyretin; Ependyma; Choroid plexus; Chromogranin (Gee, P. (617) 238)

Cardiac arrest
Ischemia; Reperfusion; Dopamine release; Striatum; *N*-Methyl-D-aspartate receptor (Werling, L.L. (606) 99)

Dog; Hypothermia; Ischemia; Perinatal; Regional cerebral blood flow (Yager, J.Y. (620) 122)

Cardiac ganglion
Driver potential; Burst-organizing potential; Tetraethylammonium ion; Barium; Crustacean; Lobster (Berlind, A. (609) 51)

Cardiac output
Seizure; Status epilepticus; Regional blood flow; Sudden death; Rat (Kreisman, N.R. (626) 295)

Cardiac pathology
Stroke; Insular cortex; Sympathetic activity; Hypertension (Butcher, K.S. (621) 79)

Cardiac vagal motoneuron
Serotonin 5-HT_{1A} receptor; 8-Hydroxy-DPAT; Buspirone; Upper airway; Smoke; Anesthetized rabbit (Futuro-Neto, H.A. (629) 349)

Cardiovascular
Nucleus tractus solitarii; Spermidine; Polyamine; NMDA (Ohta, H. (620) 72)

NPY(1–36); NPY(13–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_1 receptor; Neuropeptide Y_2 receptor; Microinjection; Nucleus tractus solitarii (Yang, S.-N. (621) 126)

Cardiovascular control
Micro-injection; Bed nucleus of stria terminalis; Substantia innominata; Central nucleus of the amygdala (Gelsema, A.J. (626) 156)

Cardiovascular effect
Substance P; Neurokinin A; Behavioral effect; Desensitization; Tachykinin receptor; Central nervous system (Culman, J. (625) 75)

Cardiovascular reflex
Nucleus tractus solitarii; System modeling; Neuronal dynamics (Schwaber, J.S. (604) 126)

Carotid occlusion; AV3V; Hypothalamus; Baroreceptor; Cerebral ischemia (Bedran de Castro, M.T.B. (612) 243)

Cardiovascular regulation
Vestibular system; Otolith organ; Semicircular canal; Rostral ventrolateral medulla; Sympathetic nervous system; Spinal cord (Yates, B.J. (601) 255)

Retrograde transport; Rostral ventral medulla; Parapyramidal region; Pain; Locus ceruleus (Van Bockstaele, E.J. (603) 1)

Limbic system; Autonomic pathway; Rostral ventrolateral medulla; Brainstem; Arterial pressure (Giancola, S.B. (606) 162)

Body fluid homeostasis; Plasma osmolality; Angiotensin II; Circumventricular organ (Rosas-Arellano, M.P. (619) 352)

Vestibular system; Respiration; Posture; Sympathetic nervous system; Orthostatic hypotension (Yates, B.J. (629) 209)

Cardiovascular response
Taste; Pharyngeal branch of the glossopharyngeal nerve; Nasopharynx (Hanamori, T. (619) 214)

Cardiovascular tone
Medulla; Cat; Sympathoinhibition; AMPA; Kynurenic acid; Baroreflex (Dempesy, C.W. (603) 328)

Carotid blood flow
Hypothalamic temperature; Pontine temperature; Vertebral blood flow; Heat exchanger; Wake–sleep cycle (Azzaroni, A. (632) 136)

Carotid body
Chemoreceptor; Chemosensory excitation; Receptor gain; Thermal dependence; Thermosensor (Alcayaga, J. (600) 103)

Glomus cell; Intracellular pH; Membrane potential (He, S.-F. (601) 353)

Chemoreceptor; Dopamine (Monti-Bloch, L. (617) 147)

Glomus cell; Intercellular coupling (Monti-Bloch, L. (622) 119)

Glomus cell; Hypoxia; Intracellular pH; Membrane potential (Pang, L. (623) 349)

Nitric oxide; Nitric oxide synthase; NADPH-diaphorase; L-Nitro arginine; Hypoxia (Prabhakar, N.R. (625) 16)

Carotid chemoreceptor
Sympathetic chemoreflex; Caudal ventrolateral medulla; Rostral ventrolateral medulla; Sympathetic baroreflex; Hypoxia (Koshiya, N. (609) 174)

Carotid labyrinth
Coexistence; Substance P; Calcitonin gene-related peptide; Immunohistochemistry (Kusakabe, T. (603) 153)

Carotid occlusion
AV3V; Hypothalamus; Baroreceptor; Cerebral ischemia; Cardiovascular reflex (Bedran de Castro, M.T.B. (612) 243)

Carotid sinus nerve
Tyrosine hydroxylase; Neuropeptide; Petrosal ganglion; Fluoro-gold; Rat (Ichikawa, H. (611) 67)

Carrier wave
Amplitude modulated; Radio frequency; Sub-harmonics; Acetylcholine esterase (Kunjilwar, K.K. (601) 321)

Casein kinase
Amyloid β-protein; Alzheimer's disease; Protein phosphorylation; Protein kinases (Chauhan, A. (629) 47)

Castration
Amphetamine; Estrogen; Ovariectomy; Dopamine release; Stereotyped behavior; Quantitative microdialysis (Castner, S.A. (610) 127)

Testosterone; Steroid receptor; Steroid abuse; Athlete; Intact; Immunocytochemistry; Optical density (Menard, C.S. (622) 226)

Cat
Somatosensory cortex; Fifth somatosensory cortex; Intracortical microstimulation; Anterior suprasylvian sulcus (Mori, A. (602) 143)

Neuropeptide Y; Immunocytochemistry; Spinal cord; Ultrastructure; Axo-axonic synapse (Doyle, C.A. (603) 157)

Medulla; Sympathoinhibition; AMPA; Kynurenic acid; Cardiovascular tone; Baroreflex (Dempesy, C.W. (603) 328)

γ-Aminobutyric $acid_B$ receptor; Respiration; Respiratory neuron; Baclofen; CGP 35348 (Pierrefiche, O. (605) 77)

Anterior coronal gyrus; Subthalamic nucleus; Corticosubthalamic projection; WGA-HRP (Noda, T. (605) 305)

Primary afferent neuron; Neurofilament; Phosphorylation; Immunocytochemistry; Cell profile size (Perry, M.J. (607) 307)

Thalamus; Nociception; Analgesia; Ascending inhibition; Nucleus raphe magnus (Koyama, N. (609) 298)

Sympathetic; 8-OH-DPAT; Kainic acid; Lateral tegmental field (Clement, M.E. (612) 78)

Spectral analysis; PGO-on neuron; $1/f$ fluctuation; Paradoxical sleep (Sei, H. (612) 351)

Spinal cord; Onuf's nucleus; Plasticity; Growth-associated protein; Neuritogenesis; Sprouting immunohistochemistry; Motoneuron disease (Nacimiento, W. (613) 80)

Supragenicular nucleus; Fastigial nucleus; Direct projection; WGA-HRP; Light microscopy; Electron microscopy (Katoh, Y.Y. (617) 155)

Baroreceptor reflex; Lateral tegmental field; Kainate; Sympathetic activity (Clement, M.E. (618) 328)

Neuropeptide; Opioid; Enkephalin; Visual cortex; Monoclonal antibody; Immunohistochemistry (Gu, Q. (620) 155)

Respiratory neuron; Brainstem; Substance P (4–11) amide; Serotonin; In vivo; Microiontophoresis (Rampin, O. (622) 185)

Nerve injury; Dental pulp; Blood flow; Laser Doppler; Neuropeptide; GAP-43; Neurotrophin receptor; Immunohistochemistry (Olgart, L. (625) 109)

Defensive rage behavior; Amygdala; Substance P; Neurokinin NK_1 receptor; CP-96,345; Predatory attack behavior; Hypothalamus (Shaikh, M.B. (625) 283)

Neural net; Back propagation; Spinal ganglion; Sensory neuron; Spike analysis; Identified cell (Rose, R.D. (630) 345)

Intermediolateral nucleus; Sacral parasympathetic nucleus; Retrograde transport (Lü, Y. (632) 351)

Catalase
Glucocorticoid; Neuropathology; Blood glucose; Glutathione peroxidase; Superoxide dismutase (Tuor, U.I. (604) 165)

Catalepsy
Tetrahydrocannabinol; Cannabidiol; CP-55,940; Tolerance; Autoradiography (Oviedo, A. (616) 293)

Catecholamine
Neuropeptide; Coexistence; Brain; Immunohistochemistry (Orazzo, C. (600) 39)

Insulin; Locus ceruleus; Norepinephrine transporter (Figlewicz, D.P. (602) 161)

Baroreceptor reflex; Blood pressure; Brainstem; c-*fos*; Immunoreactivity; Rat; Volume receptor (Narváez, J.A. (602) 342)

Acetylcholine release; Biopterin; Hippocampus; Brain microdialysis; *p*-Chlorophenylalanine; α-Methyl-*p*-tyrosine; Serotonin (Ohue, T. (607) 255)

Cocaine; Tyrosine hydroxylase; Brain; Prenatal; Fetal; Rat (Meyer, J.S. (608) 129)

Bradykinin; Tyrosine hydroxylase; Dopamine β-hydroxylase; Calcium; mRNA (Gebreyesus, K. (608) 345)

6-Hydroxydopamine; Paraventricular nucleus; Social interaction test; Stress corticosterone; Allotetrahydrodeoxycorticosterone (Kellogg, C.K. (609) 244)

Entrainment; Reserpine; Serotonin; Aging (Penev, P.D. (612) 156)

2-Deoxyglucose; Intracerebroventricular; Neuroglucopenia; Glucose metabolism; Protein metabolism; Insulin; Glucagon; Dog (Molina, P.E. (614) 99)

Norepinephrine; Obesity; Corticosterone; Adrenalectomy; Adrenoceptor (Levin, B.E. (614) 146)

Acetylcholine; Hippocampus; Transplantation; Microdialysis; Transmitter release (Leanza, G. (618) 47)

Psychological stress; Footshock; Corticotropin-releasing hormone; Arousal; Pentobarbital; CRH-receptor antagonist; Adrenocorticotropin (Shibasaki, T. (618) 71)

Norepinephrine; Dopamine; Metabolite; Serotonin (Shimizu, H. (621) 200)

Neuromuscular junction; Transmitter release; Noise analysis; Myasthenia gravis; Congenital myasthenic syndrome (Sieb, J.P. (623) 167)

c-*fos*; Fos; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5 (Stornetta, R.L. (624) 19)

Central amygdaloid nucleus; Heart rate; Behavior; Corticosterone; CRH; Microinfusion; CRH antagonist (Wiersma, A. (625) 219)

Cyanide; Glomoid cell; Chemostimulation; Histotoxic hypoxia (Donnelly, D.F. (630) 157)

Catecholamine metabolism
Fluorodihydroxyphenylalanine; Positron emission tomography; Catechol-*O*-methyltransferase; Nitecapone; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Hemiparkinsonism (Miletich, R.S. (626) 1)

Catecholamine overflow
Spreading depression; Cerebral cortex; Voltammetry; Rat (Pavlásek, J. (628) 145)

Catecholaminergic area
Tyrosine hydroxylase; Long-term hypoxia; Norepinephrine turnover rate; Rat brainstem (Schmitt, P. (611) 53)

Tyrosine hydroxylase; Dihydralazine; Norepinephrine turnover rate; Rat brainstem (Schmitt, P. (611) 61)

Catecholaminergic cell group
Parkinson's disease; Epidermal growth factor receptor; Autoradiography (Villares, J. (628) 72)

Catecholaminergic control
Interleukin-1β; HPA axis; Stress; Rat (Barbanel, G. (626) 31)

Catecholaminergic enzyme
Vagus nerve; Cervical vagotomy; Medulla oblongata; Choline acetyltransferase (Ruggiero, D.A. (617) 17)

Catecholamine-synthesizing enzyme
Canine medulla oblongata; C1-C3 areas; Autonomic nervous system; Immunocytochemistry (Dormer, K.J. (601) 41)

Catechol-*O*-methyltransferase
Fluorodihydroxyphenylalanine; Positron emission tomography; Catecholamine metabolism; Nitecapone; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Hemiparkinsonism (Miletich, R.S. (626) 1)

Cathepsin
Oculopharyngeal muscular dystrophy; Inclusion body myositis; Rimmed vacuole; Amyloid precursor protein; Lysosome; Muscle biopsy (Villanova, M. (603) 343)

Cathepsin B
Rat; Dorsal root ganglion; Spinal cord; Cathepsin H; Cathepsin L; Calcitonin gene-related peptide; Immunocytochemistry; Colocalization (Taniguchi, K. (601) 143)

Cathepsin G
Astrocyte; Alzheimer's disease; α_1-Antichymotrypsin; Glial fibrillary acidic protein; Gliosis; Serine protease; Protease inhibitor (Abraham, C.R. (621) 222)

Cathepsin H
Rat; Dorsal root ganglion; Spinal cord; Cathepsin B; Cathepsin L; Calcitonin gene-related peptide; Immunocytochemistry; Colocalization (Taniguchi, K. (601) 143)

Cathepsin L
Rat; Dorsal root ganglion; Spinal cord; Cathepsin B; Cathepsin H; Calcitonin gene-related peptide; Immunocytochemistry; Colocalization (Taniguchi, K. (601) 143)

Catheterization
Electroencephalogram; Continuous intravenous infusion; Brain temperature; Food intake; Water intake (Takahata, R. (623) 65)

Cation
Channel modulation; Lanthanum; Copper; Zinc; GABA (Ma, J.Y. (607) 222)

Cation channel
Prostaglandin E_2; Nucleus tractus solitarius; Patch-clamp; Autoradiography; Rat (Matsumura, K. (626) 343)

Cat muscle spindle
Primary afferent; Slow adaptation; Intrafusal muscle fiber; Interspike interval function (Awiszus, F. (612) 110)

Caudal brainstem
Tryptophan hydroxylase; Tyrosine hydroxylase; mRNA; In situ hybridization; Reserpine; Adrenal gland (Park, D.H. (620) 331)

Caudal photoreceptor
Photoreceptor; Second messenger; Transduction; Crayfish; Calcium; Inositol trisphosphate; GTP (Kruszewska, B. (618) 32)

Caudal spinal trigeminal nucleus
Periaqueductal gray; Nucleus raphe magnus; Principal sensory trigeminal nucleus; Pain; Rat; *Phaseolus vulgaris* leucoagglutinin; Wheat germ agglutinin–horseradish peroxidase (Li, Y.-Q. (608) 138)

Caudal ventrolateral medulla
Pain; Rostroventral medulla; Descending pathway; Nociception (Murphy, A.Z. (606) 68)

Carotid chemoreceptor; Sympathetic chemoreflex; Rostral ventrolateral medulla; Sympathetic baroreflex; Hypoxia (Koshiya, N. (609) 174)

Caudate
Forskolin; Human brain; Autoradiography; Guanylyl-5′-imidodiphosphate (Stockmeier, C.A. (610) 156)

Caudate nucleus
D_2 receptor; D_1 receptor; M1 receptor; M2 receptor; Putamen (Joyce, J.N. (600) 156)

Spontaneously hypertensive rat; Wistar–Kyoto rat; Dopamine D_1 receptor; Dopamine D_2 receptor; SCH 23390; Spiperone; *N-n*-Propylnorapomorphine (Linthorst, A.C.E. (602) 119)

Globus pallidus; Motor cortex; Premotor area; Supplementary motor area; Prefrontal area; Putamen; Monkey (Yoshida, S.-i. (611) 170)

Caudate-putamen
Aging; Ascorbate; Dopamine; In vivo voltammetry; Nucleus accumbens; Frontal cortex; Rat (Svensson, L. (609) 36)

Excitotoxic lesion; GABA; Glial; Ibotenic acid; Intrastriatal microdialysis; Neuronal (Campbell, K. (614) 241)

Hybridization; In situ (Lester, J. (621) 106)

Neurotoxicity; Microdialysis; L-DOPA; Sinemet; Methamphetamine (Weihmuller, F.B. (623) 303)

Causalgia
Peripheral nerve injury; Hyperalgesia; Allodynia (Sheen, K. (610) 62)

C57Bl/6
N-Methyl-D-aspartate; Receptor; Glutamate; Autoradiography; Hippocampus; Cortex (Magnusson, K.R. (604) 334)

C57BL/6J inbred mouse
Cerebellum; DBA/2J inbred mouse; Genetics; Pattern formation; Recombinant inbred strain (Neumann, P.E. (619) 81)

Cerebellum; BALB/cByJ inbred mouse; Genetics; Pattern formation (Garretson, J.D. (630) 221)

C cell
Neuron-specific β-tubulin isotype; Monoclonal antibody; Immunohistochemistry; Chicken; Ultimobranchial gland; Nerve fiber (Kameda, Y. (628) 121)

CCK
Kindling; Epilepsy; Ceruletide (Yamamoto, Y. (630) 353)

CCK-8/DA interaction
Rat; Posterior nucleus accumbens; Dopamine; Dopamine D_1 receptor; Dopamine D_2 receptor; Behavior; Emotional and motivational state (Derrien, M. (617) 181)

CD^4 antigen
Globoid cell leukodystrophy; Genetic demyelinating disease; Myelin; Immunocytochemistry; Autoradiography (Ohno, M. (625) 186)

CD44
Astrocyte; Morphology; Adhesion; Hyaluronic acid; Receptor (Akiyama, H. (632) 249)

***cdc2* kinase**
$p34^{cdc2}$; cdc2-related protein kinase; Nucleolus; Nervous system; Endocrine system; Immunohistochemistry (Ino, H. (614) 131)

cdc2-related protein kinase
$p34^{cdc2}$; *cdc2* kinase; Nucleolus; Nervous system; Endocrine system; Immunohistochemistry (Ino, H. (614) 131)

Cell adhesion molecule
Substrate; Neurite outgrowth; Tyrosine hydroxylase; Dopamine; Cerebrospinal fluid; Trophic factor (Poltorak, M. (619) 255)

Kainate treatment; Astrocyte; Gliosis; Mossy fiber sprouting (Niquet, J. (626) 106)

Cell-attached patch
Whole-cell voltage clamp; Anoxia; Cyanide; In vitro (Jiang, C. (614) 352)

Cell body
Axon reaction; Axotomy; Dorsal root ganglion; Phosphorylated neurofilament; Ola mice; Trophic; Wallerian degeneration (Gold, B.G. (626) 23)

Cell-body lesion
Medial preoptic area; Male sex behavior; Sexually dimorphic area; *Meriones unguiculatus*; Scent marking behavior (Yahr, P. (631) 287)

Cell body stimulation
Hypothalamus; Rat; γ-Aminobutyric acid; Attack; Digging; Gnawing; Feeding; Drinking (Roeling, T.A.P. (615) 121)

Cell calcium
PC12 cell; Cell injury; Hydrogen peroxide; Microtubule; Microfilament (Hinshaw, D.B. (615) 13)

Cell count
Central nervous system; Mammal; Neuroglia; Quantification; Stereology (Bjugn, R. (627) 25)

Cell counting
Oncoprotein; Immediate-early response gene; Stimulant; Immunocytochemistry; Addiction (Norman, A.B. (603) 125)

Cell culture
Olfactory bulb; Ensheathing cell; Neonatal rat; Immunohistochemistry; Ultrastructure (Chuah, M.I. (601) 213)

Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Melatonin; Pineal gland; Rat (Simonneaux, V. (603) 148)

Putrescine; Spermidine; Spermine; Neuronal survival; Hippocampus; Cerebellum (Abe, K. (605) 322)

Glucose; Hypoxia; Hypoglycemia; Calcium; Cortex (Birrell, G.J. (607) 337)

Human spinal cord; γ-Aminobutyric acid-immunoreactive neuron; Thienylphencyclidine; Computer microscope; Principal component analysis (Calvet, M.-C. (608) 299)

Microglia/macrophage; Nerve growth factor receptor; Neuroimmunology; S-antigen; Superior cervical sympathectomy (McNulty, J.A. (610) 108)

Acetylcholine; G protein; Muscarinic receptor; Pertussis toxin; Hippocampus (Brown, L.D. (612) 200)

pH; Hippocampus; Anion exchange; Acid–base regulation; Development; Neuron (Raley-Susman, K.M. (614) 308)

Cholinergic; Muscarinic; Norepinephrine; Fura-2; Alzheimer's disease (Whittemore, E.R. (621) 59)

Nerve growth factor; Submandibular gland; Mouse (Fahnestock, M. (621) 339)

Circadian rhythm; Suprachiasmatic nucleus; Pacemaker; Oscillator; Vasopressin (Watanabe, K. (624) 115)

Nitric oxide; NMDA; N^G-Nitro-L-arginine; cGMP; Neuronal damage; Cortex (Hewett, S.J. (625) 337)

Interleukin-2; Neuronal survival; Neurite extension; Fetal rat brain (Sarder, M. (625) 347)

Cell damage
Astrocyte culture; Cell swelling; Amino acid release (Kimelberg, H.K. (622) 237)

Cell death
Hippocampus; Seizure; Excitatory amino acid; Glutamate receptor; Learning disorder; CGP 39551 (Lahtinen, H. (625) 93)

Fibroblast growth factor; Epilepsy; Seizure; Kainic acid; Excitotoxicity; Chronic infusion (Liu, Z. (626) 335)

Astrocyte; Glia; Ischemia; Hypoxia; Arachidonate; Hypothermia (Haun, S.E. (631) 352)

Cell fractionation
Astrocyte; Cysteamine; Peroxidase activity; Autofluorescence; Gomori stain (Cissé, S. (615) 141)

Cell injury
PC12 cell; Hydrogen peroxide; Microtubule; Microfilament; Cell calcium (Hinshaw, D.B. (615) 13)

Cell loss
Human fetal brain; Cryopreservation; Cell viability (Dong, J.F. (621) 242)

Cell motility
Axonal transport; Cytoskeleton; Neurofilament; Polymer (Lasek, R.J. (616) 58)

Cell number
Cerebellum; Disector; Neurostereology; Rat; Stereology; Toluene; Vertical section (Korbo, L. (609) 262)

Cell profile size
Primary afferent neuron; Neurofilament; Phosphorylation; Immunocytochemistry; Cat (Perry, M.J. (607) 307)

Cell proliferation
Schwann cell; Glial growth factor; Protein kinase C; Diacylglycerol; Protein kinase inhibitor (Yoshimura, T. (617) 55)

DNA synthesis; G protein; Neural development; Opioid receptor; Phosphatidylinositol (Barg, J. (629) 109)

Cells-per-track
Depolarization–inactivation; Electrophysiology; Ethanol; Intubation; Single-unit extracellular recording (Shen, R.-Y. (622) 289)

Cell swelling
C6 glioma; Lactacidosis; Glutamate; Torasemide (Staub, F. (610) 69)

Volume-sensitivity; Cl^- conductance; F11 cell; Hybrid cell line; Patch clamp (Pollard, C.E. (614) 178)

Astrocyte culture; Cell damage; Amino acid release (Kimelberg, H.K. (622) 237)

Cellular distribution
Monoamine oxidase A; Monoamine oxidase B; Monoclonal antibody; Regional brain localization; Intracellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

Cellular immunity
Corticotropin-releasing hormone; Amygdala; Anterior pituitary; Corticotropin-releasing hormone receptor; Adrenocorticotropin hormone; Corticosterone (Hauger, R.L. (616) 283)

Cell viability
Phenytoin; Cytoskeleton; Hippocampal neuron (Bahn, S. (615) 160)

Human fetal brain; Cryopreservation; Cell loss (Dong, J.F. (621) 242)

Cell volume regulation
Transport kinetics; Amino acid; Osmolality (Beetsch, J.W. (613) 10)

Central
Substance P; Immunohistochemistry; Pineal gland; Innervation; Bovine (Møller, M. (611) 347)

Central amygdaloid nucleus
Intracellular; Accommodation; Afterhyperpolarization; In vitro; Electrophysiology; Current clamp (Schiess, M.C. (604) 283)

Heart rate; Behavior; Catecholamine; Corticosterone; CRH; Microinfusion; CRH antagonist (Wiersma, A. (625) 219)

Central blood pressure regulation
Arginine vasopressin; Vasopressin V_1 agonist; Vasopressin V_1 antagonist; Vasopressin V_2 agonist; Vasopressin V_2 antagonist; Vasopressin V_3 agonist (Noszczyk, B. (610) 115)

Central chemosensitivity
Airway control; Autonomic nervous system; Bronchoconstriction; Cough reflex; Ondine's curse; Respiratory control; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Central gray
Nitric oxide; Brainstem; Longitudinal column; Antinociception (Onstott, D. (610) 317)

Central nervous system
Flatfish; Centrifugal visual system; Visual–vestibular coordination; Optomotor response (Meyer, D.L. (601) 308)

Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Sandwich-enzyme immunoassay; Monoclonal antibody; High-performance liquid chromatography; Regional distribution; Rat (Masuo, Y. (602) 57)

Benzodiazepine (ω) modulatory site subtype; Autoradiographic distribution; Adult; Newborn; Rat (Benavides, J. (604) 240)

Octopamine; Interneuron; Immunocytochemistry; Snail; *Lymnaea stagnalis* (Elekes, K. (608) 191)

Nerve growth factor; Neuron; Neurotrophic effect; Astrocyte; Mitogen (Shao, N. (609) 338)

Arginine vasotocin and related neuropeptides; Blood pressure; Heart rate; Vasopressin V_1 receptor; Trout (Le Mevel, J.-C. (610) 82)

Hemorrhage; Dynorphin; Endogenous opioid peptide; Hypotension; Nucleus ambiguus (Samuels, S. (613) 54)

Nerve growth factor; Nerve growth factor mRNA; Gene expression; Primate (Hayashi, M. (618) 142)

Astrocyte; Meningeal cell; Dipeptidyl peptidase II (Struckhoff, G. (620) 49)

Spinal cord; Regeneration; Horseradish peroxidase; Goldfish (Sharma, S.C. (620) 221)

Rat cerebellar granule cell; Intracellular free calcium concentration; Calcium uptake; High K^+ stimulation; Inositol trisphosphate; Inositol pentakisphosphate; Inositol hexakisphosphate (Sasakawa, N. (623) 155)

Substance P; Neurokinin A; Cardiovascular effect; Behavioral effect; Desensitization; Tachykinin receptor (Culman, J. (625) 75)

Cell count; Mammal; Neuroglia; Quantification; Stereology (Bjugn, R. (627) 25)

Cholecytokinin; Cerebrospinal fluid; Spinal cord; Glucose; Eating; Depression; Alcoholism; Alcohol (Geracioti Jr., T.D. (629) 260)

Central nervous system electrical stimulation
Mean circulatory filling pressure; Blood pressure; Heart rate; Venous tone (Martin, D.S. (604) 318)

Central nervous system neuron
Voltage-dependent Ca^{2+} current; Diphenylpiperazine derivative Ca^{2+} antagonist; Oxidative metabolism; KB-2796; Flunarizine (Akaike, N. (619) 263)

Central nucleus
5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Metabolism; Gepirone; Serotonin $5\text{-}HT_{1A}$ receptor; Noise (Boadle-Biber, M.C. (628) 105)

Central nucleus of the amygdala
Micro-injection; Bed nucleus of stria terminalis; Substantia innominata; Cardiovascular control (Gelsema, A.J. (626) 156)

Central pressor response
Clonidine; Paraventricular nucleus; Brain vasopressin; Conscious rat (Ebihara, H. (624) 44)

Central sensitization
c-*fos*; Axotomy; Peripheral nerve transection; Wind-up; Neuropathic pain (Chi, S.-I. (617) 225)

Centrifugal visual system
Flatfish; Central nervous system; Visual–vestibular coordination; Optomotor response (Meyer, D.L. (601) 308)

Cepaea nemoralis
Enkephalin; Immunocytochemistry; Mollusc (Sakharov, D. (620) 114)

Cephalopod
GABA; Immunohistochemistry; Neurotransmitter; Mollusc (Cornwell, C.J. (621) 353)

Cerebellar brain slice
Serotonin; H-current; Purkinje cell; Voltage clamp; Inward rectifying current (Li, S.-J. (617) 87)

Cerebellar cortex
Classical conditioning; Learning; Retention; Nictitating membrane; Rabbit; Cerebellum; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

Human; MK-801; CNQX; Glutamate receptor; Development; Aging (Johnson, M. (615) 259)

Purkinje cell; Parallel fiber; Intracellular HRP; Immunohistochemistry (Bishop, G.A. (623) 293)

Cerebellar granule cell
Tetrahydrocannibinol; G protein; Adenylyl cyclase; GTPase; Weaver mutant; Staggerer mutant; Pertussis toxin (Pacheco, M.A. (603) 102)

$GABA_A$ receptor; Receptor topology; Label-fracture; Fracture-flip; Cortical neuron (Caruncho, H.J. (603) 234)

Kainic acid; Excitotoxicity; Lipid peroxidation; Oxidative stress; Oxgyen radical; Antioxidant (Puttfarcken, P.S. (624) 223)

Dendrite; Energy metabolism; Glucose; Neuron; Ouabain; Potassium (Peng, L. (629) 331)

Cerebellar granule cell culture
N-methyl-D-aspartate receptor; 1-Aminocyclopropanecarboxylic acid; Desensitization neurotoxicity; HA-966 (Boje, K.M. (603) 207)

Cerebellar granule neuron
Macrolide antibiotic; FK-506; Excitotoxicity; *N*-Methyl-D-aspartate; Glutamate; Calcium; CPD (Manev, H. (624) 331)

Cerebellar slice
Glutamate; Calcium; Veratridine (Dickie, B.G.M. (619) 247)

Cerebellum
Climbing fiber; Renal nerve; Visceral afferent; Autonomic system; Somatosensory (Tong, G. (601) 65)

Inositol trisphosphate receptor; Human brain; Vestibular nucleus; Immunohistochemistry (Suburo, A.M. (601) 193)

Opioid receptor; Nervous system; Enkephalin; Growth; Development; Brain; Zeta (ζ) receptor; Biochemistry; Protein chemistry (Zagon, I.S. (605) 50)

Climbing fiber; Conditioning; Face; Inferior olive; Opiate; Nociception (Weiss, C. (605) 207)

Putrescine; Spermidine; Spermine; Neuronal survival; Cell culture; Hippocampus (Abe, K. (605) 322)

Purkinje cell; Non-ataxic; Exploratory behavior; Tonic-clonic seizure; Immune response; Guinea pig (Lev-Ram, V. (606) 325)

Calpain; Excitotoxicity; AMPA; Proteolysis; Purkinje cell (Caner, H. (607) 354)

Classical conditioning; Cerebellar cortex; Learning; Retention; Nictitating membrane; Rabbit; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

Purkinje cell; Excitatory amino acid; Serotonin; AMPA; *t*-ACPD (Netzeband, J.G. (608) 145)

Cell number; Disector; Neurostereology; Rat; Stereology; Toluene; Vertical section (Korbo, L. (609) 262)

Maternal alcohol exposure; Rehabilitation; Ganglioside; Glycosidase; Cerebrum; Brainstem (Prasad, V.V.T.S. (610) 75)

Calretinin; Calcium-binding protein; Granule cell; Parallel fiber; Mossy fiber; Puncta adhearentia; Rat (Arai, R. (613) 300)

Hypothyroidism; Tubulin; Detyrosination; Tubulinyl-tyrosine carboxypeptidase; Molecular layer; Synaptogenesis (Poddar, R. (614) 233)

Glutamic acid decarboxylase; Purkinje cell; Firing rate; Climbing fiber lesion; Glutamic acid decarboxylase$_{67}$ mRNA; mRNA stability (Drengler, S.M. (615) 175)

Purkinje cell; Acetylcholine; Muscarinic receptor; Glutamate; Neuromodulation (Andre, P. (617) 28)

Interpositus nucleus; Cortical masticatory area; Mastication; Jaw movement; Rhythm; Resetting (Katayama, T. (617) 143)

Discrimination learning; Lurcher mutant (Lalonde, R. (618) 19)

C57BL/6J inbred mouse; DBA/2J inbred mouse; Genetics; Pattern formation; Recombinant inbred strain (Neumann, P.E. (619) 81)

Granule cell; Electrophysiology (Huang, C.-m. (619) 313)

Aging; Norepinephrine; Motor learning (Bickford, P. (620) 133)

Purkinje cell; Recurrent collateral; Inhibition; New-born rat; System analysis; Cooperativity; Entropy (Bernard, C. (626) 234)

Morphometry; Mitochondrion; Aging; Mitochondrial plasticity; Synaptic mitochondrion; Brain aging (Bertoni-Freddari, C. (628) 193)

Dentate nucleus; Cooling; Cortical potential; Motor cortex; Monkey (Tsujimoto, T. (629) 1)

C57BL/6J inbred mouse; BALB/cByJ inbred mouse; Genetics; Pattern formation (Garretson, J.D. (630) 221)

Long-term depression; Purkinje cell; Nictitating membrane response; Rabbit; Slice (Schreurs, B.G. (631) 235)

Retinoic acid synthesis; Vitamin A metabolism; Cerebrum; Gray matter; White matter; Meninges (Dev, S. (632) 325)

Cerebellum granule cell
Excitatory amino acid; Intracellular calcium; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Cerebral
Peptide; Vascular; Endothelium (Loesch, A. (611) 333)

Cerebral atrophy
Spontaneously hypertensive rat; Wistar–Kyoto rat; Capillary; Arteriole; Venule; Cerebral microvessel; Hydrocephalus (Gesztelyi, G. (611) 249)

Cerebral blood flow
Cortical spreading depression; Migraine (Fabricius, M. (602) 350)

Microdialysis; Glucose; Hydrogen clearance; Unanaesthetised; Rat brain; Tail pinch; Restraint stress (Fellows, L.K. (604) 225)

Nitric oxide; Endothelium-derived relaxing factor; *N*-Nitro-L-arginine methyl ester; Hypoxia; Hypercapnia; Hypotension (Buchanan, J.E. (610) 248)

Kainic acid; Inosine; Hypoxanthine; Rat (Sciotti, V.M. (613) 16)

CA1 neuron; Chronic cerebrovascular insufficiency; Neuronal rescue; Hippocampus; Reactive astrocytosis; Dementia (De la Torre, J.C. (623) 6)

Positron emission tomography (PET); Unilateral hand movement; Primary motor area; Premotor area; Human brain (Kawashima, R. (623) 33)

Autoregulation; Laser Doppler flowmetry; Calcium antagonist; Rabbit (Florence, G. (625) 301)

Focal cerebral ischemia; Kappa-1 opioid agonist; Neuroprotection (Mackay, K.B. (629) 10)

Cerebral capillary
Cerebral circulation; Sphenopalatine ganglia; Rat (Iadecola, C. (606) 148)

Cerebral circulation
Sphenopalatine ganglia; Cerebral capillary; Rat (Iadecola, C. (606) 148)

Neuron-specific enolase; Focal ischemia; Neurological deficit; Rat; Middle cerebral artery occlusion; Systemic circulation (Barone, F.C. (623) 77)

Cerebral concussion
Calcium; ^{45}Ca; Contusion; Traumatic brain injury (Fineman, I. (624) 94)

Cerebral cortex
Choline acetyltransferase; Choline transporter site; Cholinergic nerve terminal; Hemicholinium-3 binding site; Hippocampus; Midbrain; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Estradiol benzoate; [^{3}H]Paroxetine; Serotonin reuptake site; Sex difference; Hippocampus (Mendelson, S.D. (601) 299)

cAMP protein kinase; Phosphoprotein; RII binding protein; Stable microtubule; Rat (Perez, J. (602) 77)

Acetylcholine; Aging; 2-Deoxyglucose; Brain slice; AF64A; Hippocampus; Muscarinic; Nicotinic (Shibata, S. (603) 248)

Neuropeptide Y; Insular lobe; Monkey; Immunocytochemistry; Non-human primate (Augustine, J.R. (603) 255)

Basic fibroblast growth factor; Ischemia; Immunohistochemistry; Immunoblot; Neuron; Astrocyte (Kumon, Y. (605) 169)

Acetylcholine; N^6-Cyclopentyl adenosine; CGS 21680; Adenosine; Release (Phillis, J.W. (605) 293)

Glycine receptor; Inhibition; Neurotransmitter receptor; Strychnine (Becker, C.-M. (606) 220)

Stereology; Numerical density (Beaulieu, C. (609) 284)

Acetylcholine; Ischemia; N^6-Cyclopentyl adenosine; CGS 21680 (Phillis, J.W. (613) 337)

Claustrum; Connection; Ulegyria (Morys, J. (616) 176)

CO_2-laser; Evoked potential; Nociception; Pain; Somatosensory pathway (Kalliomäki, J. (622) 262)

CO_2-laser; Evoked potential; Nociception; Pain; Somatosensory pathway (Kalliomäki, J. (622) 271)

Fast inhibitory postsynaptic potential; Slow inhibitory postsynaptic potential; GABA; Magnesium; Glutamate; NMDA (Benardo, L.S. (627) 314)

Somatostatin receptor binding; Autoradiography; Nucleus basalis magnocellularis; Ibotenic acid lesion (Bogdanovic, N. (628) 31)

Spreading depression; Catecholamine overflow; Voltammetry; Rat (Pavlásek, J. (628) 145)

Astrocyte; Brain injury; Reactive gliosis; Estradiol; Progesterone; Testosterone; Hippocampus; Dentate gyrus (Garcia-Estrada, J. (628) 271)

$GABA_B$ receptor; $GABA_A$ receptor; Hepatic encephalopathy (Oja, S.S. (629) 355)

Alzheimer's disease; Ca^{2+}; K^+; Ion channel (Ikeda, M. (630) 50)

Hypoxia-ischemia; Rat; Perinatology; Glutamic acid decarboxylase; γ-Aminobutyric acid; Epilepsy; Immunofluorescence; Confocal laser scanning microscopy (Romijn, H.J. (630) 315)

Valproate; *trans*-2-en-Valproate; Diffusion; Antiepileptic drug (Lücke, A. (631) 187)

Cerebral glucose metabolism
Sigma receptor; Psychomotor stimulant; Phencyclidine; Deoxyglucose (Della Puppa, A. (603) 38)

Acetylcholine; Alzheimer's disease; Cognitive enhancer; 2-Deoxy-D-[1-^{14}C]glucose; Neurotransmitter releaser (Dent, G.W. (620) 7)

Cerebral glucose utilization
Absence epilepsy; 2-Deoxyglucose; Haloperidol; Ethosuximide (Nehlig, A. (618) 1)

Diazepam withdrawal; 2-Deoxyglucose; Flumazenil; Set-point; Precipitated withdrawal; Spontaneous withdrawal; Withdrawal shift (Laurie, D.J. (631) 277)

Cerebral ischemia
Histamine; Fluoromethylhistidine; Mepyramine; Four-vessel occlusion; Delayed neuronal death (Adachi, N. (602) 165)

cAMP phosphodiesterase; cAMP-dependent protein kinase; Autoradiography; Hippocampus; Gerbil (Murase, K. (602) 234)

Gerbil; Brain temperature; Hypothermia (Colbourne, F. (602) 264)

Hippocampus; CA2 region; Gerbil; Selective vulnerability (Akai, F. (603) 87)

Rat; Magnetic resonance spectroscopy; Microdialysis; Glutamate; Adenosine triphosphate (Shimizu, H. (605) 33)

Basic fibroblast growth factor; Hippocampus; Delayed neuronal death; Mongolian gerbil (Nakata, N. (605) 354)

Neuroprotection; Prostaglandin B_1; Di-Calciphor; Calpain (Lin, R.C.S. (606) 130)

Inositol phosphate; Diacylglycerol; Free fatty acid; Creatine phosphate; Adenosine 5′-triphosphate; Lithium (Lin, T.-A. (606) 200)

DNA fragmentation; Rat; Endonuclease; Nucleus; Calcium; Gel electrophoresis (Tominaga, T. (608) 21)

Amino acid; R-PIA; Theophylline; Veratridine; Microdialysis (Heron, A. (608) 27)

Hypoglycemia; Hyperglycemia; ^{31}P Magnetic resonance spectroscopy (Tyson, R. (608) 288)

α-Tocopherol; Reperfusion; Brain; Lipid peroxidation; Stroke (Yue, T.-L. (610) 53)

CA1; Excitatory amino acid; Hippocampus; Long-term potentiation (Miyazaki, S. (611) 155)

Spreading depression; Microdialysis; Amino acid; Ischemic penumbra; Migraine; Stroke (Fabricius, M. (612) 61)

Heat-shock protein 72; Rat (Tomioka, C. (612) 216)

Carotid occlusion; AV3V; Hypothalamus; Baroreceptor; Cardiovascular reflex (Bedran de Castro, M.T.B. (612) 243)

Delayed neuronal death; Calcium; NMDA receptor antagonist; Gerbil; Microtubule-associated protein 2 (Nakamura, K. (613) 181)

Induced tolerance; Hypoperfusion; Heat shock protein 72; Stroke-resistant gerbil (Ohtsuki, T. (614) 279)

Eicosanoid; Microdialysis (Patel, P.M. (614) 315)

Hippocampus; Selective vulnerability; Heat shock protein; Stress response; Mongolian gerbil (Kato, H. (615) 240)

Ischemic tolerance; Heat shock protein; Northern blotting; Rat; Immunohistochemistry; Western blotting (Nishi, S. (615) 281)

Striatum; Synaptophysin; Immunohistochemistry; Rat (Korematsu, K. (616) 320)

λ Opiate receptor; Hippocampus; Mossy fiber; MK-801 (Perry, D.C. (617) 296)

κ_1 Opioid agonist; Neuroprotection; CI-977; Glutamate; Gyrencephalic (Mackay, K.B. (618) 213)

Hippocampus; Ischemic tolerance; Ubiquitin; Immunohistochemistry; Mongolian gerbil (Kato, H. (619) 339)

Gerbil; Heat shock protein 90; In situ hybridization (Kawagoe, J.-i. (621) 121)

Gerbil; Brain temperature; Hyperthermia; Anesthesia (Colbourne, F. (623) 1)

Hippocampus; Immunohistochemistry; Superoxide dismutase; Free radical; Astrocyte; Microglia; Rat (Liu, X.-H. (625) 29)

Brain; Basic fibroblast growth factor; mRNA; Rose bengal; In situ hybridization; Rat (Lippoldt, A. (625) 45)

Hippocampus; Locomotor activity; Mongolian gerbil (Babcock, A.M. (625) 351)

Ischemic tolerance; Laminin; Dentate hilus; Hippocampus; Immunohistochemistry; Mongolian gerbil (Sugimoto, A. (629) 159)

Serotonin; Serotonin 5-HT_{1A} agonist; Serotonin 5-HT_2 antagonist; Neuroprotection; Cultured neuron; Chemical hypoxia; Glutamate (Prehn, J.H.M. (630) 10)

Cerebral metabolism
Monosialoganglioside GM_1; Glucose metabolic rate; Excitatory amino acid; Hippocampus (Freo, U. (621) 175)

Cerebral microvessel
Spontaneously hypertensive rat; Wistar–Kyoto rat; Capillary; Arteriole; Venule; Hydrocephalus; Cerebral atrophy (Gesztelyi, G. (611) 249)

Blood–brain barrier; Brain endothelium; Potassium channel; Glibenclamide binding (Sullivan, H.C. (612) 336)

Cerebral oxygenation
Near-infrared spectrophotometry; Pentylentetrazol; Seizure; Cytochrome oxidase (Hoshi, Y. (603) 215)

Cerebral vascular resistance
Anesthetic; Inhalational; Isoflurane; Hemorrhage; Vasodilator; Nitric oxide (Chi, O.Z. (630) 214)

Cerebral vasculature
Perfluorocarbon; ATP; Peptide (Domer, F.R. (630) 88)

Cerebrospinal fluid
Clonidine; Clonidine-displacing substance; Imidazole receptor (Goldberg-Stern, H. (601) 325)

Choroid plexus; Angiotensin II; Rabbit (Maktabi, M.A. (606) 44)

Neuronal cell survival; Rat cortical neuronal cell culture; Human brain extract; Growth inhibitory factor; Senile dementia of Alzheimer's type (Pauwels, P.J. (610) 8)

Atrial natriuretic peptide; Brain natriuretic peptide; C-type natriuretic peptide (Kaneko, T. (612) 104)

Inositol monophosphatase; Manic depression; Lithium; Magnesium; Bisphosphonate (Atack, J.R. (613) 305)

Choroid plexus; Serotonin; Serotonin 5-HT_{1c} receptor; Brush border membrane; Cl^- channel; K^+ channel (Hung, B.C.P. (617) 285)

Cell adhesion molecule; Substrate; Neurite outgrowth; Tyrosine hydroxylase; Dopamine; Trophic factor (Poltorak, M. (619) 255)

Chloride transport; Choroid plexus; DIDS; Bumetanide; Acetazolamide; DPC; Rat (Preston, J.E. (624) 181)

Inositol; Blood–brain barrier; Second messenger (Levine, J. (627) 168)

Cholecytokinin; Spinal cord; Glucose; Eating; Depression; Alcoholism; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Sleep-deprivation; Rapid eye movement sleep; Rebound; Vasoactive intestinal peptide (Jiménez-Anguiano, A. (631) 345)

Cerebrovasculature
Glutamyl aminopeptidase; Aminopeptidase A; Membrane alanyl aminopeptidase; Angiotensin II; Angiotensinase (Song, L. (606) 286)

Glutamyl aminopeptidase; Aminopeptidase A; Angiotensin II; Angiotensinase; Pericyte (Healy, D.P. (606) 295)

Cerebrum
Maternal alcohol exposure; Rehabilitation; Ganglioside; Glycosidase; Cerebellum; Brainstem (Prasad, V.V.T.S. (610) 75)

Retinoic acid synthesis; Vitamin A metabolism; Cerebellum; Gray matter; White matter; Meninges (Dev, S. (632) 325)

Ceruletide
Dyskinesia; Iminodipropionitrile; Long-lasting effect; Dopaminergic neuronal system; mRNA (Hirata, H. (604) 197)

Kindling; Epilepsy; CCK (Yamamoto, Y. (630) 353)

Cervical spinal cord
Respiration; Vomiting; Coughing; Kainic acid; Inspiratory neuron; Propriospinal neuron; Intercostal discharge pattern (Miller, A.D. (606) 143)

Cervical stimulation
c-Fos; Pelvic nerve; Amygdala; Lordosis; Preoptic area; Mating; Hypothalamus (Rowe, D.W. (621) 25)

Cervical vagotomy
Vagus nerve; Medulla oblongata; Catecholaminergic enzyme; Choline acetyltransferase (Ruggiero, D.A. (617) 17)

Cervix uteri
Vaginal stimulation; Analgesia; Reflex inhibition (Cueva-Rolón, R. (600) 27)

C-fiber
Antidromic stimulation; Neurogenic inflammation; Nociceptor; Morphine; Naloxone (Shakhanbeh, J. (607) 314)

Dorsal root ganglion; Membrane property; Morphology (Nagy, I. (609) 193)

C-fiber stimulation
Glucocorticoid receptor; Corticosteroid; Pain; Immunocytochemistry; Immediate early gene; Nociception; Primary sensory neuron (Cintra, A. (632) 334)

c-*fos*
Bombesin; Cholecystokinin; Nucleus of the solitary tract; Hypothalamus; Capsaicin (Bonaz, B. (600) 353)

Triazolam; Raphe nucleus; Suprachiasmatic nucleus; Superior colliculus; Edinger-Westphal nucleus; Dorsal tegmental nucleus; Serotonin (Cutrera, R.A. (602) 14)

Potassium chloride; Nerve growth factor; Spreading depression (Herrera, D.G. (602) 99)

Baroreceptor reflex; Blood pressure; Brainstem; Catecholamine; Immunoreactivity; Rat; Volume receptor (Narváez, J.A. (602) 342)

Protein kinase C; Protein kinase Cγ; Fos protein; Chick; Intermediate and medial hyperstriatum ventrale; Imprinting; Learning (Ambalavanar, R. (606) 315)

Spinal cord; Dorsal horn; Lamina X; Nitric oxide; Nociception (Lee, J.-H. (608) 324)

Stress; Serotonin; CRF mRNA; Adrenocorticotropic hormone; Corticosterone (Harbuz, M.S. (609) 167)

Acrylamide; c-*jun*; mRNA; Chemical injury; Neurotoxicity (Endo, H. (609) 231)

Androgen receptor; Sexual behavior; Amygdala; Immunocytochemistry; Limbic system (Wood, R.I. (614) 65)

Fos immunoreactivity; Interleukin-1; Hypothalamus; Oxytocin; Vasopressin (Chang, S.L. (617) 123)

Axotomy; Peripheral nerve transection; Sprouting; Neuropathic pain (Chi, S.-I. (617) 225)

Central sensitization; Axotomy; Peripheral nerve transection; Wind-up; Neuropathic pain (Chi, S.-I. (617) 225)

Hyperthermia; Immunocytochemistry; Preoptic area; Thermoregulation; Temperature (Scammell, T.E. (618) 303)

Superficial dorsal horn; Ventrolateral medulla; Pain; Rat (Tavares, I. (623) 278)

Dopamine; L-DOPA; Striatum; Dopamine D_1 receptor; Dopamine D_2 receptor (Morelli, M. (623) 334)

Fos; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Sexual stimulation; Female rat; Estrogen; Progesterone (Pfaus, J.G. (624) 253)

Immediate–early gene; Circadian rhythm; Oscillation; Pacemaker; Neuropeptide (Earnest, D.J. (627) 205)

Excitotoxin; Kainic acid; Immunohistochemistry; Fink–Heimer (silver) degeneration; GFAP; Seafood; Emesis (Scallet, A.C. (627) 307)

Retina; Immediate-early gene; Cholinergic receptor; Glutamate receptor; Dopamine receptor; NGFI-A (Gudehithlu, K.P. (631) 77)

Fos; Femoral nerve; Somatosympathetic reflex; Electrical stimulation; Fos-like immunoreactivity (McKitrick, D.J. (632) 127)

c-*fos* expression
N-Methyl-D,L-aspartic acid; Cortical activation; Lactation; *N*-Methyl-D-aspartate receptor inactivation; Progesterone (Abbud, R. (604) 16)

c-*fos* immunoreactivity
Locus coeruleus; Yohimbine (Stone, E.A. (603) 181)

CGP 35348
γ-Aminobutyric $acid_B$ receptor; Respiration; Respiratory neuron; Baclofen; Cat (Pierrefiche, O. (605) 77)

$GABA_B$ receptor; Antinociception; Nucleus raphe magnus; Spinal cord; L-Glutamate; Phaclofen; Methysergide (McGowan, M.K. (607) 39)

CGP 39551
High pressure neurological syndrome; Primate; NMDA receptor; EEG; Behavioral observation (Pearce, P.C. (622) 177)

Hippocampus; Seizure; Excitatory amino acid; Cell death; Glutamate receptor; Learning disorder (Lahtinen, H. (625) 93)

[^{3}H]CGP 39653 binding
N-Methyl-D-aspartate; NMDA recognition domain; Multiplicity; Antagonist-preferring form; [^{3}H]Glu binding (Pingping, Z. (609) 253)

CGS 19755
NMDA; Excitatory amino acid; Excitotoxicity; 7-Chlorokynurenic acid (Lehmann, J.C. (620) 1)

CGS 19755 binding
Ethanol; *N*-Methyl-D-aspartate receptor; MK-801 binding; Glutamate binding; Glycine binding; Kainate binding (Snell, L.D. (602) 91)

CGS 21680
Acetylcholine; N^6-Cyclopentyl adenosine; Adenosine; Release; Cerebral cortex (Phillis, J.W. (605) 293)

Acetylcholine; Ischemia; Cerebral cortex; N^6-Cyclopentyl adenosine (Phillis, J.W. (613) 337)

Channel block
Voltage-activated calcium channel current; Rat dorsal root ganglion cell; Aluminum (Al^{3+}); Alzheimer's disease (Büsselberg, D. (622) 163)

Channel blocker
Taste; Potassium channel; 4-Aminopyridine; Chorda tympani nerve; Salt taste (Kim, M. (612) 96)

Channel kinetics
Long-term potentiation; Hippocampus; Glutamate receptor; Decay time constant; Paired-pulse facilitation; Release kinetics (Ambros-Ingerson, J. (620) 237)

Channel modulation
Cation; Lanthanum; Copper; Zinc; GABA (Ma, J.Y. (607) 222)

ChAT activity
Hippocampal transplant; Spatial memory; Choline uptake; Muscarinic receptor binding (Tarricone, B.J. (632) 41)

Chemical hypoxia
Cerebral ischemia; Serotonin; Serotonin 5-HT_{1A} agonist; Serotonin 5-HT_2 antagonist; Neuroprotection; Cultured neuron; Glutamate (Prehn, J.H.M. (630) 10)

Chemical injury
Acrylamide; c-*fos*; c-*jun*; mRNA; Neurotoxicity (Endo, H. (609) 231)

Chemonociception
Carbonic anhydrase; Nociception; Paresthesia; Chemoreceptor; Irritation (Komai, M. (612) 122)

Chemoreception
Negative mucosal potential; Trigeminal nerve; Pain measurement; Peripheral nociceptive response; Blood flow; Autonomic reflex (Thürauf, N. (629) 293)

Chemoreceptor
Carotid body; Chemosensory excitation; Receptor gain; Thermal dependence; Thermosensor (Alcayaga, J. (600) 103)

Carbonic anhydrase; Nociception; Chemonociception; Paresthesia; Irritation (Komai, M. (612) 122)

Carotid body; Dopamine (Monti-Bloch, L. (617) 147)

Algesic chemical; Bradykinin; Capsaicin; Mechanoreceptor; Nociceptor; Visceral afferent (Hong, S.K. (622) 215)

Arterial pressure; Brain slice; Hypoxia; Hypercapnia; Rat; Rhodamine (Nolan, P.C. (630) 101)

Chemosensory excitation
Carotid body; Chemoreceptor; Receptor gain; Thermal dependence; Thermosensor (Alcayaga, J. (600) 103)

Chemostimulation
Cyanide; Glomoid cell; Histotoxic hypoxia; Catecholamine (Donnelly, D.F. (630) 157)

Chick
Nicotine; Cotinine; Nicotinic cholinergic receptor; Vestibular system; Vestibular efferent; Response threshold (Roll, R.L. (604) 260)

Memory; Synapse; Plasticity; Stereology; Disector (Hunter, A. (605) 251)

Protein kinase C; Protein kinase Cγ; c-*fos*; Fos protein; Intermediate and medial hyperstriatum ventrale; Imprinting; Learning (Ambalavanar, R. (606) 315)

Ciliary neuronotrophic factor; Somatostatin; Ciliary ganglion; Differentiation factor; Cultured neuron; Choroid neuron (Smet, P.J. (609) 351)

Nitric oxide; Learning and memory; Amnesia; Passive avoidance (Hölscher, C. (619) 189)

Enkephalin; Acetylcholine; Nicotinic receptor; Retina; Release; Atropine; Tubocurarine (Boelen, M.K. (624) 137)

Chick ciliary ganglion cell
Cytosolic free calcium; Fura-2 microfluorometry; Caffeine; Muscarinic agonist; Ryanodine; Thapsigargin (Sorimachi, M. (627) 34)

Chicken
Ovalbumin; Dorsal root ganglia; Neurofilament; Immunohistochemistry (Williams, R. (627) 354)

Neuron-specific β-tubulin isotype; Monoclonal antibody; Immunohistochemistry; Ultimobranchial gland; C cell; Nerve fiber (Kameda, Y. (628) 121)

Child
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Chlordiazepoxide
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Diazepam; CL 218,872; Long-term potentiation; Hippocampus; Spatial learning; Morris water maze (McNamara, R.K. (626) 63)

Acetylcholine; Cortex; GABA; Benzodiazepine receptor; ZK 93 426; Microdialysis; Rat (Moore, H. (627) 267)

Chloride accumulation
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Chloride channel
Anesthetic; Volatile; Halothane; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Benzodiazepine; GABA; Receptor; Learned helplessness; Coping behavior; Shuttlebox escape learning; Anxiety; Depression (Drugan, R.C. (631) 270)

Chloride flux
GABA; Pentobarbital; Quench-flow; Microsac; Rat (Mihic, S.J. (619) 319)

Chloride influx
Anesthetic; Volatile; Halothane; Chloride channel; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Chloride transport
Cerebrospinal fluid; Choroid plexus; DIDS; Bumetanide; Acetazolamide; DPC; Rat (Preston, J.E. (624) 181)

Chlorimipramine
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2-Chloroadenosine
Adenosine; Long-term potentiation; Glutamate; *N*-Methyl-D-aspartate; Receptor; Hippocampus (De Mendonça, A. (606) 351)

***N*-(2-Chloroethyl)-*N*-ethyl-2-bromobenzylamine**
Allylnitrile; 5,7-Dihydroxytryptamine; Head twitching; 5-Hydroxytryptamine; Noradrenaline (Tanii, H. (626) 265)

7-Chlorokynurenic acid
NMDA; Excitatory amino acid; Excitotoxicity; CGS 19755 (Lehmann, J.C. (620) 1)

***p*-Chlorophenylalanine**
Acetylcholine release; Biopterin; Hippocampus; Brain microdialysis; α-Methyl-*p*-tyrosine; Catecholamine; Serotonin (Ohue, T. (607) 255)

Noradrenaline; 5-Hydroxytryptophan; Serotonin; Excitatory amino acid; Sensory response (Shiekhattar, R. (623) 72)

Chlorpheniramine
1-Deoxy-D-glucosamine; 1-Deoxy-*N*-acetylglucosamine; Turnover of neuronal histamine in the hypothalamus; α-Fluoromethylhistidine; Feeding suppression (Kang, M. (631) 181)

Chol-2
Cholinergic-specific antiserum; Cholinergic-specific antigen (Derrington, E.A. (620) 16)

Cholecystokinin
c-*fos*; Bombesin; Nucleus of the solitary tract; Hypothalamus; Capsaicin (Bonaz, B. (600) 353)

Receptor autoradiography; Spontaneously hypertensive rat; Striatum (Kirouac, G.J. (604) 338)

Potassium ion activity; Glial cell; Synaptic potential; Glutamate; Tractus solitarius; Nucleus tractus solitarii; Dorsal vagal motor nucleus (Ballanyi, K. (607) 99)

Electrophysiology; Paraventricular nucleus; Tuberoinfundibular neuron; Rat (Jin, Y. (617) 151)

Morphine; Tolerance; Gene expression; Radioimmunoassay (Ding, X.Z. (625) 139)

Nucleus accumbens; Local perfusion; Dopamine release; Microdialysis; Freely moving rat (Ladurelle, N. (628) 254)

Cholecystokinin receptor antagonist
L-365,260; Receptor autoradiography; Visceral afferent; Feeding; Nucleus tractus solitarii; MK-329; Area postrema (Corp, E.S. (623) 161)

Cholecytokinin
Cerebrospinal fluid; Spinal cord; Glucose; Eating; Depression; Alcoholism; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Cholera toxin subunit A
Cholera toxin subunit B; Dorsal root ganglion neuron; Patch-clamp recording; Pertussis toxin; Opioid antagonist (Fan, S.F. (605) 214)

Cholera toxin subunit B
Cholera toxin subunit A; Dorsal root ganglion neuron; Patch-clamp recording; Pertussis toxin; Opioid antagonist (Fan, S.F. (605) 214)

Choline
Acetylcholine; Choline acetyltransferase; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Noradrenaline; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Acetylcholine; Dopamine; Electrical stimulation; Microdialysis; Neostigmine; Striatum (Farber, S.A. (607) 177)

Nimodipine; Acetylcholine; Hypoxia; Altitude; Microdialysis (Shukitt-Hale, B. (621) 291)

Acetylcholine; Microdialysis; Electrical stimulation; Anesthetized rat; Neostigmine; Striatum (Marshall, D.L. (629) 269)

Hypoxia; Phospholipase A_2; Phospholipase D (Klein, J. (630) 337)

Choline acetyltransferase
Cerebral cortex; Choline transporter site; Cholinergic nerve terminal; Hemicholinium-3 binding site; Hippocampus; Midbrain; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Nerve growth factor; Nucleus basalis magnocellularis; Cortical cholinergic neuron (Dekker, A.J. (601) 329)

Acetylcholine; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Noradrenaline; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Aging; High-affinity choline uptake; Spatial learning; Hippocampus; Cortex; Striatum (Dunbar, G.L. (604) 266)

Thalamus; Thalamic reticular nucleus; Basal forebrain; Nerve growth factor (Chen, S. (606) 207)

Amphiphilic; *Drosophila*; *Torpedo*; Rat (Salem, N. (609) 223)

Nucleus basalis of Meynert; Acetylcholinesterase; Nerve growth factor; Aging (Santucci, A.C. (609) 327)

Vagus nerve; Cervical vagotomy; Medulla oblongata; Catecholaminergic enzyme (Ruggiero, D.A. (617) 17)

Chronic alcoholism; Cholinergic mechanism; Muscarinic receptor subtype; Nicotinic receptor; Human brain; G-protein coupling (Hellström-Lindahl, E. (620) 42)

Pedunculopontine nucleus; Laterodorsal tegmental nucleus; MPTP; Monkey (Herrero, M.T. (624) 281)

N-18 Cell; DNA methylation; Tyrosine hydroxylase; Neuronal differentiation; Retinoic acid; Cyclic AMP (Okuse, K. (626) 225)

Formalin test; Hippocampus; Pain (Aloisi, A.M. (629) 167)

Substance P receptor; Somatostatin; Parvalbumin; Substance P; Neostriatum; Rat (Kaneko, T. (631) 297)

Choline acetyltransferase activity
Galanin; Water maze; Thyrotrophin-releasing hormone; Indoleamine (Aspley, S. (622) 330)

Choline-*O*-acetyltransferase
Acetylcholine; Cross reacting determinant; Glycosyl-phosphatidylinositol; Glycosylphosphatidylinositol-specific phospholipase C; Hippocampus; Phosphatidylinositol-specific phospholipase C; Rat brain (Smith, L.K. (605) 155)

Cholinergic
Muscarinic; Norepinephrine; Fura-2; Cell culture; Alzheimer's disease (Whittemore, E.R. (621) 59)

Cortical cerebral blood flow; Local cortical neuron; Basal forebrain; Ibotenic acid; Laser-Doppler flowmetry (Linville, D.G. (622) 26)

Ganglioside; Monoclonal antibody; Spinal cord; Glycoconjugate; Sialic acid (Kusunoki, S. (623) 83)

Aging; Dementia; Immunocytochemistry; Neurotensin; Somatostatin; Substance P (Benzing, W.C. (625) 125)

Acetylcholine; Choline transport; Hemicholinium-3; Synaptosome (Rylett, R.J. (626) 184)

Theta (θ) rhythm; Hippocampus; Septum; Carbachol; Atropine; Septal infusion (Monmaur, P. (631) 317)

Cholinergic agonist and antagonist
Phosphoinositide metabolism in vivo; Pilocarpine; Atropine; Inositol phosphate; Mouse cerebrum; Mouse Cerebellum (Lin, T.-A. (622) 169)

Cholinergic basal forebrain afferent
Hamster; Bank vole; Yellow necked wood mouse; Rabbit (Garrett, B. (609) 341)

Cholinergic / dopaminergic interaction
Cholinergic system; Dopaminergic system; Memory; Reversal discrimination; Inhibitory avoidance (Gasbarri, A. (627) 72)

Cholinergic function
REM sleep; Sleep; Arousal (Szymusiak, R. (629) 141)

Cholinergic interneuron
Basal ganglia; Calretinin; Calcium-binding protein; Parvalbumin; GABAergic interneuron; NADPH-diaphorase neurone (Bennett, B.D. (609) 137)

Volkensin; Suicide transport; Striatum; [^{3}H]Hemicholinium-3 (Harrison, M.B. (630) 169)

Cholinergic mechanism
Chronic alcoholism; Muscarinic receptor subtype; Nicotinic receptor; Human brain; G-protein coupling; Choline acetyltransferase (Hellström-Lindahl, E. (620) 42)

Cholinergic nerve terminal
Cerebral cortex; Choline acetyltransferase; Choline transporter site; Hemicholinium-3 binding site; Hippocampus; Midbrain; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Cholinergic neuron
Granulocyte colony-stimulating factor; Macrophage colony-stimulating factor; Erythropoietin; Erythroid differentiation factor; Hematopoietic factor; Neurotrophic factor (Konishi, Y. (609) 29)

Calbindin-D_{28k}; Medial septal nucleus; Nucleus of diagonal band of Broca; Coexistence; Immunocytochemistry; Monkey (Ichitani, Y. (625) 328)

Cholinergic neuronal loss
Alzheimer's disease; Thiamine diphosphatase; Thiamine-dependent enzyme; Thiamine neurochemistry (Rao, V.L.R. (631) 334)

Cholinergic receptor
Retina; Immediate-early gene; Glutamate receptor; Dopamine receptor; *c-fos*; NGFI-A (Gudehithlu, K.P. (631) 77)

Cholinergic sleep
REM sleep; Muscarinic M_1 receptor; Biperiden; Trihexyphenidyl; Scopolamine; Sleep–wake cycle (Zoltoski, R.K. (608) 186)

Cholinergic-specific antigen
Chol-2; Cholinergic-specific antiserum (Derrington, E.A. (620) 16)

Cholinergic-specific antiserum
Chol-2; Cholinergic-specific antigen (Derrington, E.A. (620) 16)

Cholinergic system
Nucleus basalis magnocellularis; 2-Deoxy-D-glucose; Nicotine; Arecoline; Physostigmine; Rat (De Micheli, E. (615) 80)

Dopaminergic system; Memory; Reversal discrimination; Inhibitory avoidance; Cholinergic/dopaminergic interaction (Gasbarri, A. (627) 72)

Cholinesterase inhibitor
Fos mRNA; c-*Fos*; Protein; Gene expression; Seizure; Rat brain (Chollat-Namy, A. (603) 32)

Choline transport
Acetylcholine; Hemicholinium-3; Cholinergic; Synaptosome (Rylett, R.J. (626) 184)

Choline transporter site
Cerebral cortex; Choline acetyltransferase; Cholinergic nerve terminal; Hemicholinium-3 binding site; Hippocampus; Midbrain; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Choline uptake
Hippocampal transplant; Spatial memory; ChAT activity; Muscarinic receptor binding (Tarricone, B.J. (632) 41)

Chondroitinase ABC
Proteoglycan; Glycosaminoglycan; Neuronal subset; Monoclonal antibody; Perineuronal antigen (Sano, S.-i. (630) 65)

Chorda tympani
Taste enhancement; Saccharin; D-Amino acid; Sweet taste receptor site; Mouse strain difference (Ninomiya, Y. (626) 287)

Chorda tympani nerve
Taste; Potassium channel; 4-Aminopyridine; Salt taste; Channel blocker (Kim, M. (612) 96)

Chordotonal organ
Serotonin; Neuromodulation; Primary afferent terminal; Immunohistochemistry; In vitro preparation; Crayfish (Rossi-Durand, C. (632) 1)

Choroid neuron
Ciliary neuronotrophic factor; Somatostatin; Ciliary ganglion; Differentiation factor; Chick; Cultured neuron (Smet, P.J. (609) 351)

Choroid plexus
Cerebrospinal fluid; Angiotensin II; Rabbit (Maktabi, M.A. (606) 44)

Prostaglandin E_2; Endotoxin; Brain microvasculature; Paraventricular and supraoptic nucleus (Van Dam, A.-M. (613) 331)

Carboxypeptidase E/H; Peptidylglycine α-amidating monooxygenase; Furin; Transthyretin; Ependyma; Chromogranin (Gee, P. (617) 238)

Cerebrospinal fluid; Serotonin; Serotonin 5-HT_{1c} receptor; Brush border membrane; Cl^- channel; K^+ channel (Hung, B.C.P. (617) 285)

Chloride transport; Cerebrospinal fluid; DIDS; Bumetanide; Acetazolamide; DPC; Rat (Preston, J.E. (624) 181)

Angiotensin II receptor; Angiotensin-converting enzyme; GTPγS; Pituitary; Subfornical organ (Tsutsumi, K. (631) 212)

Meninges; CSF; Thyroid hormone; Plasma protein; Hyperthyroidism; Hypothyroidism; Thyroxine (Blay, P. (632) 114)

Choroid plexus epithelium
$^{36}Cl^-$ efflux coefficient; Anion exchange; Hydrocephalus; Intracranial pressure; Rat (Knuckey, N.W. (618) 313)

Chromaffin cell
Basic fibroblast growth factor; Tyrosine hydroxylase; Proenkephalin (Puchacz, E. (610) 39)

Chromatography / mass spectrometry
Neurodegeneration; Neurotoxicant; *N*-Methylation; Parkinson's disease (Matsubara, K. (610) 90)

Chromogranin
Carboxypeptidase E/H; Peptidylglycine α-amidating monooxygenase; Furin; Transthyretin; Ependyma; Choroid plexus (Gee, P. (617) 238)

Retina; Transmitter release; Dopamine (Gibson, C.J. (622) 303)

Chromogranin A
Calbindin-D_{28k}; Parvalbumin; SMI-32; Neuropeptide; Neocortex; Immunohistochemistry (Adams, L.A. (602) 336)

Chronic alcoholism
Cholinergic mechanism; Muscarinic receptor subtype; Nicotinic receptor; Human brain; G-protein coupling; Choline acetyltransferase (Hellström-Lindahl, E. (620) 42)

Chronic cerebrovascular insufficiency
CA1 neuron; Neuronal rescue; Hippocampus; Reactive astrocytosis; Cerebral blood flow; Dementia (De la Torre, J.C. (623) 6)

Chronic ethanol
Hippocampus; Acetylcholine; Muscarinic receptor; Field potential; Recurrent inhibition (Rothberg, B.S. (631) 227)

Chronic infusion
Fibroblast growth factor; Epilepsy; Seizure; Cell death; Kainic acid; Excitotoxicity (Liu, Z. (626) 335)

Chronic ischemic model
Passive avoidance behavior; Neuronal degeneration; Hippocampus; CA1; Gerbil (Yamamoto, M. (608) 16)

Chronic lead
Long-term potentiation; Dentate gyrus; Hippocampus; Induction; Brain lead (Lasley, S.M. (614) 347)

Chronic pain
δ Opioid receptor; BUBU; Arthritic rat (Desmeules, J.A. (611) 243)

Chronic recording
Nucleus accumbens; Cocaine; Self-administration; Dopamine (Carelli, R.M. (626) 14)

Chronic survival
Forebrain ischemia; Neuronal loss; Shrinkage; Regional volume; Rat brain (Beck, T. (605) 280)

Chronic tolerance
Morphine; Analgesia; Acute tolerance; MK-801; Swiss Webster mouse (Lutfy, K. (616) 83)

Chronobiology
Circadian rhythm; Neuroendocrine; Oscillator coupling; Melatonin; Pineal (Aguilar-Roblero, R. (605) 229)

Chylomicron
Feeding suppression; Satiation; Apolipoprotein A-IV; Lipid meal; Mesenteric lymph; Meal size; Intestine (Fujimoto, K. (608) 233)

CI-977
κ_1 Opioid agonist; Neuroprotection; Cerebral ischemia; Glutamate; Gyrencephalic (Mackay, K.B. (618) 213)

Ciliary ganglion
Parvalbumin; Calbindin-D_{28k}; Calcium-binding protein; Edinger–Westphal nucleus; Accommodation; Pupilloconstriction (Fujii, J.T. (605) 200)

Ciliary neuronotrophic factor; Somatostatin; Differentiation factor; Chick; Cultured neuron; Choroid neuron (Smet, P.J. (609) 351)

Ciliary ganglion neuron
Regulation of neuronal nicotinic acetylcholine receptor; Pharmacology of neuronal nicotinic acetylcholine receptor (Spitsbergen, J.M. (615) 128)

Ciliary neuronotrophic factor
Somatostatin; Ciliary ganglion; Differentiation factor; Chick; Cultured neuron; Choroid neuron (Smet, P.J. (609) 351)

Ciliary neurotrophic factor
Peripheral nerve; Conduction velocity; Electrophysiology; Neuropeptide; Rat (Apfel, S.C. (604) 1)

Ciliary neurotrophic factor receptor; mRNA; Sciatic nerve; Spinal cord; PCR (Mata, M. (610) 162)

Ciliary neurotrophic factor receptor
Ciliary neurotrophic factor; mRNA; Sciatic nerve; Spinal cord; PCR (Mata, M. (610) 162)

Ciliary process
Aqueous humor; Nicotinamide-adenine dinucleotide phosphate diaphorase; Nitric oxide synthetase; Retina (Osborne, N.N. (610) 194)

Circadian
Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; Ontogeny; Neuropeptide; Rat; Hamster; Prenatal; Entrainment (Robinson, M.L. (605) 271)

Aging; Clock; Rhythm; Entrainment; Activity; Benzodiazepine; Sleep; Arousal (Van Reeth, O. (607) 286)

Epilepsy; Kindling; Adrenalectomy (Weiss, G. (612) 354)

Histamine; Light; Phase shift; Suprachiasmatic; Tuberomammillary (Cote, N.K. (613) 149)

Benzodiazepine; Chlordiazepoxide; Hamster; Phase-shift; Wheel-running (Biello, S.M. (622) 58)

Phosphorylation; Phosphoprotein; Suprachiasmatic nucleus; Immunohistochemistry (Mikkelsen, J.D. (623) 147)

Circadian rhythm
Suprachiasmatic nucleus; Neurophysiology; Melatonin; Constant light; Light–dark cycle; Pineal gland (Yu, G.-D. (602) 191)

Suprachiasmatic nucleus; Neurophysiology; Hamster; Melatonin; Pineal gland (Rusak, B. (602) 200)

Entrainment; Retinohypothalamic tract; Suprachiasmatic nucleus; Glutamate; Electrophysiology (Meijer, J.H. (603) 284)

Melatonin; Photoperiod; Light; 6-Sulphatoxymelatonin; Metabolite (Kennaway, D.J. (603) 338)

Chronobiology; Neuroendocrine; Oscillator coupling; Melatonin; Pineal (Aguilar-Roblero, R. (605) 229)

Disk shedding; Suprachiasmatic nucleus; Retina (Terman, J.S. (605) 256)

Suprachiasmatic nucleus; Somatostatin; Enzyme immunoassay; Peptide regulation; Light–dark cycle; Free-running rhythm; Rat (Fukuhara, C. (606) 28)

Suprachiasmatic nucleus; Tetrodotoxin; Glucose utilization; Single unit activity; In vitro (Shibata, S. (606) 259)

Melatonin; Suprachiasmatic nucleus; SCN; Pineal gland; *Phodopus sungorus* (Margraf, R.R. (609) 45)

Fos-like immunoreactivity; Intergeniculate leaflet; Light stimulus; MK-801; *N*-Methyl-D-aspartate receptor; Suprachiasmatic nucleus (Park, H.T. (610) 334)

Adenosine; Purine; Brain cortex; Sleep–wake cycle; Energy (Chagoya de Sánchez, V. (612) 115)

Immediate early gene; Ganglion cell layer; Suprachiasmatic nucleus; Light induction; Endogenous expression; Phase shift (Chambille, I. (612) 138)

Glutamate; Post-embedding immunogold; Retinohypothalamic tract; Suprachiasmatic nucleus (De Vries, M.J. (612) 231)

Suprachiasmatic nucleus; Phase response curve; Neuropeptide Y; Retinohypothalamic tract; Single unit; Geniculohypothalamic tract (Shibata, S. (615) 95)

Hamster; Acetylcholine; Mecamylamine; Fos immunoreactivity (Zhang, Y. (615) 107)

Suprachiasmatic nucleus; Substance P; Enzyme immunoassay; Rat; Retinohypothalamic tract (Otori, Y. (619) 271)

Neuropeptide Y; Suprachiasmatic nucleus; Pacemaker; Brain slice; Intergeniculate leaflet; Rat (Medanic, M. (620) 281)

Pineal gland; Melatonin (Taniguchi, M. (620) 297)

Immunocytochemistry; Hypothalamus; Excitatory amino acid; GluR1 (Gannon, R.L. (622) 337)

Suprachiasmatic nucleus; Pacemaker; Oscillator; Vasopressin; Cell culture (Watanabe, K. (624) 115)

Somatosensory cortex; Acetylcholine; Microdialysis; Arousal (Jiménez-Capdeville, M.E. (625) 152)

Glycogen phosphorylase; Dentate gyrus; Hippocampus; Metabolism; Rat (Harley, C. (626) 310)

Photoperiod; Entrainment; Light; Melatonin; Human (Illnerová, H. (626) 322)

Clorgyline; Serotonin; Dopamine; Suprachiasmatic nucleus; Raphe nuclei; Syrian hamster (Ozaki, N. (627) 41)

Pineal; Melatonin; Reverse hemolytic plaque assay; *Anolis* (Pickard, G.E. (627) 141)

c-*fos*; Immediate–early gene; Oscillation; Pacemaker; Neuropeptide (Earnest, D.J. (627) 205)

Calcitonin gene-related peptide; Geniculogeniculate projection; Intergeniculate leaflet; Mouse; Suprachiasmatic nucleus (Park, H.T. (629) 335)

Glutamate receptor; Suprachiasmatic nucleus; In situ hybridisation; Rat (Mikkelsen, J.D. (632) 329)

Circling
Sensitization; Tolerance; Ventral tegmental area; Morphine; Opiate; Brain stimulation reward; Locomotion (Bauco, P. (617) 303)

Circling behavior
Striatum; Dopamine D_2 receptor; Mediodorsal thalamus; Serotonin 5-HT_1 receptor; γ-Aminobutyric acid; Transgenic insertional mutant; Hyperactivity (Fitzgerald, L.W. (608) 247)

Acetylcholinesterase; Substantia nigra; Fasciculin; Toxin; Motor activity (Dajas, F. (616) 1)

Circumvallate papilla
cGMP; Olfactory cilium; Taste bud; Retina (Borisy, F.F. (610) 199)

Circumventricular organ
Cardiovascular regulation; Body fluid homeostasis; Plasma osmolality; Angiotensin II (Rosas-Arellano, M.P. (619) 352)

Citrulline
Arginine; Nitric oxide; NADPH diaphorase; cGMP; Dorsal root ganglion; Enteric plexus; Histochemistry (Aoki, E. (620) 142)

c-*jun*
Acrylamide; c-*fos*; mRNA; Chemical injury; Neurotoxicity (Endo, H. (609) 231)

CL 218,872
Diazepam; Chlordiazepoxide; Long-term potentiation; Hippocampus; Spatial learning; Morris water maze (McNamara, R.K. (626) 63)

Classical conditioning
Cerebellar cortex; Learning; Retention; Nictitating membrane; Rabbit; Cerebellum; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

Classical neurotransmitter
Immunocytochemistry; Autoradiography; Neuropeptide; Coexistence; Somatostatin; Neurotensin; GABA (Watt, C.B. (628) 349)

Classical transmitter
Glycine; Neuropeptide; Co-localization; Autoradiography; Immunocytochemistry (Watt, C.B. (603) 111)

Neuropeptide; Coexistence; Interplexiform cell; Immunocytochemistry; Autoradiography (Watt, C.B. (617) 131)

Claustrum
Connection; Cerebral cortex; Ulegyria (Morys, J. (616) 176)

Cl^- channel
Choroid plexus; Cerebrospinal fluid; Serotonin; Serotonin 5-HT_{1c} receptor; Brush border membrane; K^+ channel (Hung, B.C.P. (617) 285)

Cl^- conductance
Volume-sensitivity; Cell swelling; F11 cell; Hybrid cell line; Patch clamp (Pollard, C.E. (614) 178)

pCl-DPDPE
Opioid; Autoradiography; EKC; DAMGO; DPDPE; Avian; Junco; Hypothalamus; Feeding (Deviche, P. (614) 220)

$^{36}Cl^-$ efflux coefficient
Choroid plexus epithelium; Anion exchange; Hydrocephalus; Intracranial pressure; Rat (Knuckey, N.W. (618) 313)

Climbing fiber
Cerebellum; Renal nerve; Visceral afferent; Autonomic system; Somatosensory (Tong, G. (601) 65)

Cerebellum; Conditioning; Face; Inferior olive; Opiate; Nociception (Weiss, C. (605) 207)

Climbing fiber lesion
Glutamic acid decarboxylase; Purkinje cell; Firing rate; Cerebellum; Glutamic acid decarboxylase$_{67}$ mRNA; mRNA stability (Drengler, S.M. (615) 175)

Clock
Aging; Circadian; Rhythm; Entrainment; Activity; Benzodiazepine; Sleep; Arousal (Van Reeth, O. (607) 286)

Clomipramine
Depression; Serotonin; Raphe; Single-unit; Neonatal treatment; Rat; Chlorimipramine (Yavari, P. (611) 31)

Clonazepam
Benzodiazepine receptor; Diazepam; Nitrazepam; Ro5-4864; Calcium channel (Watabe, S. (606) 244)

Cloned cell line
Metabotropic glutamate receptor; Inositol phosphate; Glutamate binding; *t*-ACPD; Protein kinase C (Thomsen, C. (619) 22)

Cloned $GABA_A$ receptor
Alcohol; Octanol; Benzodiazepine; γ-Aminobutyric acid; $GABA_A$ subunit; Human kidney cell line (Kurata, Y. (631) 143)

Clonidine
Clonidine-displacing substance; Imidazole receptor; Cerebrospinal fluid (Goldberg-Stern, H. (601) 325)

Reserpine; Memory; Prefrontal cortex; Norepinephrine; Monkey (Cai, J.X. (614) 191)

Central pressor response; Paraventricular nucleus; Brain vasopressin; Conscious rat (Ebihara, H. (624) 44)

Neuropathy; Hyperalgesia; Morphine; (±)-Baclofen; Carbamazepine (Smith, G.D. (632) 16)

Kindling; Noradrenaline; Idazoxan; Yohimbine; Xylazine; Amygdala (Pelletier, M.R. (632) 29)

Clonidine-displacing substance
Clonidine; Imidazole receptor; Cerebrospinal fluid (Goldberg-Stern, H. (601) 325)

Clorgyline
Circadian rhythm; Serotonin; Dopamine; Suprachiasmatic nucleus; Raphe nuclei; Syrian hamster (Ozaki, N. (627) 41)

Clozapine
Risperidone; Haloperidol; 5-HT_2 receptor; Dopamine D_2 receptor (Schotte, A. (631) 191)

rCMRglc
Serotonin; Quipazine (Freo, U. (600) 249)

^{13}C NMR
^{31}P NMR; Hippocampus; Brain slice; Depolarization (Ting, Y.-L.T. (610) 16)

CNQX
Cerebellar cortex; Human; MK-801; Glutamate receptor; Development; Aging (Johnson, M. (615) 259)

AMPA; Brainstem slice; Calcium; Magnesium; Neuropeptide; Voltage-clamp (Alberi, S. (624) 326)

CNQX binding
Human motor cortex; Brainstem; Spinal cord; Non-NMDA receptor; Autoradiography (Chinnery, R.M. (630) 75)

CNS
Retina; Superior colliculus; NGF; Neurite outgrowth; Rat (Bosco, A. (632) 303)

Cocaine
Carbamazepine; Pharmacogenetics; Pharmacokinetic; Inbred mouse strain; Seizure; Anticonvulsant; Cytochrome P-450 (Marley, R.J. (600) 193)

Amphetamine; Protein synthesis inhibitor; Anisomycin; Cycloheximide; Behavioral sensitization; Mouse (Karler, R. (603) 19)

Anorexia; Locomotion; Rearing; Grooming; Microstructural analysis (Cooper, S.J. (608) 45)

Tyrosine hydroxylase; Catecholamine; Brain; Prenatal; Fetal; Rat (Meyer, J.S. (608) 129)

Dopamine synthesis; Tuberoinfundibular dopamine neuron; Median eminence; Prolactin (Baumann, M.H. (608) 175)

Self-administration; Reinforcement; Development; Stress; Emotional stress; Physical stress; Footshock; Rat (Ramsey, N.F. (608) 216)

CaM kinase; Hippocampus; Long-term potentiation; Memory; Local anesthetic; Synapsin I (Smith, D.A. (608) 259)

Phosphoinositide; Kindling; Lidocaine; Anesthetic; Sodium; Batrachotoxin; Ibotenate (Margolis, R.L. (614) 185)

Corticotropin-releasing factor; Hypothalamus; Extrahypothalamic-limbic brain region; Radioimmunoassay (Sarnyai, Z. (616) 315)

U-69593; κ Opioid; Locomotor activity; Stereotypy (Heidbreder, C.A. (616) 335)

Dopamine autoreceptor antagonist; (+)-AJ 76; Amphetamine; Self-administration; Conditioned place preference; Rat (Richardson, N.R. (619) 15)

Self-administration; SCH 23390; Nucleus accumbens; Amygdala; Fixed ratio; Progressive ratio (McGregor, A. (624) 245)

Nucleus accumbens; Self-administration; Chronic recording; Dopamine (Carelli, R.M. (626) 14)

Time–course; Regional cerebral blood flow; Autoradiography; Mesolimbic; Nigrostriatal (Stein, E.A. (626) 117)

Human striatum; WIN 35428; Dopamine transporter (Little, K.Y. (628) 17)

Conditioning; Nucleus accumbens; Dopamine (Fontana, D.J. (629) 31)

Glucocorticoid; Dexamethasone; Kindling; Sensitization (Kling, M.A. (629) 163)

Cocaine receptor
Autoradiography; Dopamine transporter; Parkinson's disease; PET imaging (Kaufman, M.J. (611) 322)

Cochlea
Na^+,K^+-ATPase; Aldosterone; Ouabain; Vestibule; Receptor (Pitovski, D.Z. (601) 273)

Dopamine; Lateral olivocochlear system; Noise stimulus; High-performance liquid chromatography; Electrochemical detection; Rat (Gil-Loyzaga, P. (623) 177)

Cockroach
Sensory receptor; Excitability; Threshold; Tactile spine; Mechanotransduction (Torkkeli, P.H. (632) 317)

Co-culture
Gliostatin; Neurotrophic factor; Neuron; Astrocyte; Glial differentiation (Ueki, T. (622) 299)

Melanin-concentrating hormone-expressing neuron; Arcuate nucleus; Broca diagonal band; Neurotrophic factor; Neurite promoting factor; Glia; Neuron (Compagnone, N. (628) 137)

Coexistence
Neuropeptide; Catecholamine; Brain; Immunohistochemistry (Orazzo, C. (600) 39)

Noradrenaline; Neuropeptide Y; Synaptic inputs; Nucleus preopticus medianus; Paraventricular hypothalamic nucleus; Retrograde tracing; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Substance P; Calcitonin gene-related peptide; Immunohistochemistry; Carotid labyrinth (Kusakabe, T. (603) 153)

Neuropeptide; Classical transmitter; Interplexiform cell; Immunocytochemistry; Autoradiography (Watt, C.B. (617) 131)

Cabindin-D_{28k}; Cholinergic neuron; Calbindin-D_{28k}; Medial septal nucleus; Nucleus of diagonal band of Broca; Immunocytochemistry; Monkey (Ichitani, Y. (625) 328)

Immunocytochemistry; Autoradiography; Neuropeptide; Classical neurotransmitter; Somatostatin; Neurotensin; GABA (Watt, C.B. (628) 349)

Calcium-binding protein; Calbindin-D28k; Vasopressin; Supraoptic nucleus; Paraventricular nucleus; Rat (Arai, R. (632) 342)

Cognition
Monkey; Basal ganglia; MPTP; Frontal cortex (Schneider, J.S. (615) 351)

Cognitive enhancer
Acetylcholine; Alzheimer's disease; Cerebral glucose metabolism; 2-Deoxy-D-[1-^{14}C]glucose; Neurotransmitter releaser (Dent, G.W. (620) 7)

Fluid-percussion brain injury; Nootropic drug; Morris water maze (Pierce, J.E.S. (624) 199)

Co-graft
Dorsal raphe nucleus; Suprachiasmatic nucleus; Immunocytochemistry; Serotonin; Vasopressin; Vasoactive intestinal polypeptide (Ueda, S. (605) 181)

Neural transplantation; Adrenal medulla; Pretransected peripheral nerve; Parkinson's disease (Date, I. (624) 233)

Coincidence detector
Time; Axon; Dendrite; Barn owl (Carr, C.E. (628) 330)

CO_2-laser
Cerebral cortex; Evoked potential; Nociception; Pain; Somatosensory pathway (Kalliomäki, J. (622) 262)

Cerebral cortex; Evoked potential; Nociception; Pain; Somatosensory pathway (Kalliomäki, J. (622) 271)

Colchicine
Immobilization stress; Transcription factor (Kainu, T. (615) 245)

Dentate gyrus; Extracellular recording; Evoked field potential; CA1; Neural transplantation (Dawe, G.S. (625) 63)

Cold-sensitive neuron
Primary somatosensory cortex; Nociceptive neuron; Skin; Mucous membrane (Tsuboi, Y. (613) 193)

Cold stress
Tyrosine hydroxylase; Sympathetic nerve; Neuropeptide Y; Aging; Superior cervical ganglion (Andrews, T. (624) 69)

Collision
DiI; Conduction velocity; Medulla; Refractory period; Reflex (Hempel, C.M.E. (617) 329)

Co-localization
Parvalbumin; Calbindin-D_{28k}; γ-Aminobutyric acid; Piriform cortex; Basket cell (Kubota, Y. (600) 339)

Rat; Dorsal root ganglion; Spinal cord; Cathepsin B; Cathepsin H; Cathepsin L; Calcitonin gene-related peptide; Immunocytochemistry (Taniguchi, K. (601) 143)

Glycine; Neuropeptide; Classical transmitter; Autoradiography; Immunocytochemistry (Watt, C.B. (603) 111)

Basal ganglia; Calcium-binding protein; Calbindin-D28k; Nicotinamide-adenine dinucleotide phosphate-diaphorase (Bennett, B.D. (610) 305)

Color vision
Tupaia; Rod; Cone; Short-wavelength-sensitive cone; Visual pigment antibody; Monoclonal antibody (Petry, H.M. (616) 344)

CO_2 method
Buffer capacity; Neuron; Astrocyte; Cortical tissue; Direct titration; NH_4^+ method; Propionate (Katsura, K.-i. (618) 283)

Command neuron
CPG; Feeding behavior; Dopamine (Teyke, T. (630) 226)

Command system
Spinal cord injury; Regeneration; Lamprey; Locomotion; In vitro; Brainstem (Davis Jr., G.R. (602) 131)

Compartmental model
Thiamine; Thiamine phosphoesters; Phenytoin; Nervous system; Metabolism *in vivo* (Patrini, C. (628) 179)

Compensatory ovarian hypertrophy
Gonadotropin; Progesterone; Temporal lobe; Asymmetry; Rat (Gerendai, I. (619) 173)

Competitive
NMDA receptor antagonist; Non-competitive; Hot-plate; Intracerebroventricular; Intrathecal; Intraperitoneal; Interaction (Näsström, J. (623) 47)

Competitive L-DOPA antagonist
Rat rostral ventrolateral medulla; Microdialysis; Transmitter-like L-DOPA release; Microinjection; Pressor responses to L-DOPA; Tonic recognition site for L-DOPA (Yue, J.-L. (629) 310)

Complement
Amyloid P component; Alzheimer's disease; Amyloid β-protein; Immunocytochemistry; Neocortex (Kalaria, R.N. (631) 151)

Computerized morphometry
Motoneuron disease; Thyrotropin-releasing hormone; Immunocytochemistry; Spinal cord (Shi, J. (626) 83)

Computer microscope
Cell culture; Human spinal cord; γ-Aminobutyric acid-immunoreactive neuron; Thienylphencyclidine; Principal component analysis (Calvet, M.-C. (608) 299)

Computer simulation
Dendritic spine; Plasticity; Dendrodendritic synapse; Synaptic inhibition (Antón, P.S. (628) 157)

Concentration clamp
Helix; Lectin; Acetylcholine receptor; Desensitization; α-Bungarotoxin (Arvanov, V.L. (615) 252)

Conditional avoidance
Aging; Animal model; Brain atrophy; Inbred mouse; T-maze (Shimada, A. (608) 266)

Conditional motor task
Set-related cells; Learning; Premotor cortex; Motor cortex (Germain, L. (611) 175)

Conditioned avoidance response
Haloperidol; Lever-release; Striatum; Unit activity (White, I.M. (616) 71)

Conditioned inhibition
Neural network; Structural equation modeling; Pavlovian conditioning; Auditory learning; Path analysis; 2-Deoxyglucose; Rat (McIntosh, A.R. (627) 129)

Conditioned place preference
Morphine; CXBK mouse; Naloxonazine; μ Opioid receptor subtype; Reinforcement; Dopamine D_1 receptor (Suzuki, T. (602) 45)

Amphetamine; Morphine; 6,7-Dinitroquinoxaline-2,3-dione; Nucleus accumbens (Layer, R.T. (617) 267)

Dopamine autoreceptor antagonist; (+)-AJ 76; Cocaine; Amphetamine; Self-administration; Rat (Richardson, N.R. (619) 15)

Conditioned stress
Human urinary trypsin inhibitor; Urinastatin; Urinastatin-like substance; Murine brain; Cortical lesion; Hippocampus (Shikimi, T. (616) 230)

Conditioned taste aversion
Nucleus parabrachialis; Protein kinase C; LiCl; $CuSO_4$ (Krivanek, J. (629) 327)

Conditioning
Cerebellum; Climbing fiber; Face; Inferior olive; Opiate; Nociception (Weiss, C. (605) 207)

Hippocampus; Rabbit; CA1; Jaw movement (Swain, C.G.O.R.A. (608) 150)

Footshock; Locus ceruleus; Ventral lateral medulla; A5; A7; Periaqueductal gray; Nucleus tractus solitarii; Neuroimmunomodulation (Pezzone, M.A. (608) 310)

Cocaine; Nucleus accumbens; Dopamine (Fontana, D.J. (629) 31)

Conduction
Axon; Development; Dorsal column; GABA; Spinal cord (Sakatani, K. (622) 43)

Conduction block
Axon; Nerve conduction; Nerve fiber; Safety factor; Sodium ion (Fern, R. (616) 48)

Conduction time
Lateral lemniscus; Medulla; Pons; Electrical stimulation (Yeomans, J.S. (617) 320)

Conduction velocity
Ciliary neurotrophic factor; Peripheral nerve; Electrophysiology; Neuropeptide; Rat (Apfel, S.C. (604) 1)

Reticulospinal; Refractory period; Medulla; Reflex; Monosynaptic (Yeomans, J.S. (617) 309)

DiI; Collision; Medulla; Refractory period; Reflex (Hempel, C.M.E. (617) 329)

Conduit
Peripheral nerve; Neurotropism; Nerve graft; Nerve regeneration (Maeda, T. (618) 196)

Cone
Photoreceptor; Synaptic ribbon; Ca^{2+}; Phosphoinositide (Schmitz, F. (604) 142)

Tupaia; Rod; Short-wavelength-sensitive cone; Color vision; Visual pigment antibody; Monoclonal antibody (Petry, H.M. (616) 344)

Dopamine; Rod; Horizontal cell; Retina; *Xenopus* (Križaj, D. (627) 122)

Cone photoreceptor
Tetraethylammonium; 4-Aminopyridine; Potassium channel; Horizontal cell; Retina; Turtle (Perlman, I. (619) 89)

Confocal laser scanning microscopy
Hypoxia-ischemia; Rat; Perinatology; Cerebral cortex; Glutamic acid decarboxylase; γ-Aminobutyric acid; Epilepsy; Immunofluorescence (Romijn, H.J. (630) 315)

Confocal microscopy
Excitatory amino acid; Calcium-induced calcium release; Fluo-3 (Kocsis, J.D. (616) 273)

Excitatory amino acid; Glutamate receptor; Primate; Quantitative neuroanatomy; Neurodegeneration (Good, P.F. (624) 347)

Congenital myasthenic syndrome
Neuromuscular junction; Transmitter release; Noise analysis; Catecholamine; Myasthenia gravis (Sieb, J.P. (623) 167)

Congophilic angiopathy
Amyloid β; β Protein precursor; Smooth muscle; Vasculature (Kawai, M. (623) 142)

Connection
Claustrum; Cerebral cortex; Ulegyria (Morys, J. (616) 176)

ω-Conotoxin
Rat; Frontal cortex; Dissociated neuron; Perforated patch; Ca^{2+} current; Ca^{2+} antagonist; Nicardipine (Ye, J.H. (606) 111)

Opioid; Ca^{2+} channel; DADLE; Differentiation; NG108-15 (Jin, W. (607) 17)

Neuromuscular junction; Transmitter release; Synaptic transmission; Facilitation; Calcium channel (Zengel, J.E. (611) 25)

Calcium channel; Hippocampus; γ-Aminobutyric acid; Glutamate; G-protein; Neurotransmitter release (Potier, B. (616) 236)

γ-Aminobutyric acid; Neostriatum; BAPTA-AM; Antidromic stimulation; Na^+ permeability (Bernath, S. (632) 232)

ω-Conotoxin GVIA
Retina cell; γ-Aminobutyric acid release; Glutamate; Calcium; Nitrendipine; NNC-711 (Duarte, C.B. (611) 130)

Conscious rat
Clonidine; Central pressor response; Paraventricular nucleus; Brain vasopressin (Ebihara, H. (624) 44)

Constant light
Suprachiasmatic nucleus; Neurophysiology; Melatonin; Light–dark cycle; Pineal gland; Circadian rhythm (Yu, G.-D. (602) 191)

Constant light exposure
Pinealectomy; Suprachiasmatic nucleus; Pars tuberalis; Hamster (Duncan, M.J. (631) 107)

Continuous intravenous infusion
Electroencephalogram; Catheterization; Brain temperature; Food intake; Water intake (Takahata, R. (623) 65)

Contralateral inhibition
Spinal reflex; Ia fiber; Human; Pedalling; Locomotion (Collins, D.F. (603) 96)

Contusion
Cerebral concussion; Calcium; ^{45}Ca; Traumatic brain injury (Fineman, I. (624) 94)

Convergence
Sensorimotor cortex; Prelimbic cortex; Striatum; Substantia nigra; Corticostriatal transmission; Dopamine (Florio, T. (619) 180)

Convergent input
Nucleus parabrachialis; Monosynaptic excitatory postsynaptic potential; Lateral hypothalamus; Intracellular recording (Granata, A.R. (600) 315)

Convergent neuron
Dorsal horn; Inhibitory control; Nociception (Cadden, S.W. (628) 65)

Convulsion
Epilepsy; Bicuculline; Substantia nigra; Deep prepiriform cortex; Deep layer of superior colliculus (Gale, K. (603) 279)

Reactive oxygen species; Hyperbaric oxygen; Rat brain (Zhang, J. (606) 56)

Behavior genetics; Pharmacogenetics; Selected mouse line; *N*-Methyl-D-aspartic acid; Ethanol; Ethanol withdrawal (Kosobud, A.E. (610) 176)

Lindane; δ-HCH antagonism; Calcium channel blocker; Calmodulin antagonist (Tusell, J.M. (622) 99)

Corticosterone; Steroid receptor; Pentylenetetrazol; Aminoglutethimide; Mouse (Roberts, A.J. (626) 143)

Co-occurrence
GABA; Parvalbumin; LANT6; Pallidum; Substantia nigra; Pigeon; Monkey (Reiner, A. (624) 317)

Cooling
Cerebellum; Dentate nucleus; Cortical potential; Motor cortex; Monkey (Tsujimoto, T. (629) 1)

Cooperativity
Purkinje cell; Recurrent collateral; Inhibition; Cerebellum; New-born rat; System analysis; Entropy (Bernard, C. (626) 234)

Coping behavior
Benzodiazepine; GABA; Receptor; Chloride channel; Learned helplessness; Shuttlebox escape learning; Anxiety; Depression (Drugan, R.C. (631) 270)

Copper
Channel modulation; Cation; Lanthanum; Zinc; GABA (Ma, J.Y. (607) 222)

Copper-zinc superoxide dismutase
Transient forebrain ischemia; Manganese superoxide dismutase; Hippocampus; Ischemic tolerance; Gerbil (Ohtsuki, T. (620) 305)

Cornea
Calretinin; Tachykinin; Nasal mucosa; Trigeminal ganglion; Rat (Ichikawa, H. (629) 231)

Corneal reflex
Eye movement; Oculomotor system; Eyeball retraction; Blink reflex; Superior rectus muscle; Levator palpebrae muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

Coronal gyrus
Nucleus ventralis posteromedialis parvocellularis; Tongue; Somatosensory lingual input; Cortical projection; Jaw movement (Nishikawa, Y. (605) 265)

Corpus striatum
Aging; Dopamine; Estrogen; Hormone; Sex difference (McDermott, J.L. (606) 118)

Anorexia; Diabetes-associated peptide; Hypothalamus; 3-Methoxytyramine; Dopamine; Serotonin; Glucose; Calcitonin gene-related peptide (Chance, W.T. (607) 185)

Cortex
Aging; Choline acetyltransferase; High-affinity choline uptake; Spatial learning; Hippocampus; Striatum (Dunbar, G.L. (604) 266)

N-Methyl-D-aspartate; Receptor; Glutamate; Autoradiography; Hippocampus; C57Bl/6 (Magnusson, K.R. (604) 334)

Steroid; Glucocorticoid receptor; Mineralocorticoid receptor; Primary culture; Hippocampus; Serotonin; Rat; Brain (Vedder, H. (605) 18)

Glucose; Hypoxia; Hypoglycemia; Calcium; Cell culture (Birrell, G.J. (607) 337)

Spike-wave discharge; Rat; Neurolept anesthesia; Multiple unit; Thalamus; Absence epilepsy (Inoue, M. (612) 35)

Neutral endopeptidase 24.11; Transplantation; Glial fibrillary acidic protein; Ventral mesencephalon; CALLA; Enkephalinase; Transforming growth factor α (Back, S.A. (612) 85)

Serotonin uptake; Serotonin 5-HT_{1A} receptor; Excitotoxin; Hippocampus; Neuronal lesion (Lawrence, J.A. (612) 326)

Plasma nicotine; Osmotic minipump; Nicotine binding site; Striatum; Hippocampus (Sanderson, E.M. (617) 349)

Gerbil; Transient forebrain ischemia; Pentobarbital (Hayashi, T. (620) 171)

Nitric oxide; NMDA; N^G-Nitro-L-arginine; cGMP; Neuronal damage; Cell culture (Hewett, S.J. (625) 337)

Acetylcholine; GABA; Benzodiazepine receptor; Chlordiazepoxide; ZK 93 426; Microdialysis; Rat (Moore, H. (627) 267)

Somatostatin; Rat; Environment; mRNA; Northern blot; Behavior (Nilsson, L. (628) 93)

Forskolin binding; Adenylate cyclase; Human; Rat; Striatum (Ross, B. (629) 225)

Steroidogenesis; P450scc; P450c11; Astrocyte (Mellon, S.H. (629) 283)

Thalamus; Spike–wave discharge; Generalized absence epilepsy; *N*-Methyl-D-aspartate; Sleep spindle (Coulter, D.A. (631) 137)

WGA-HRP; Electron microscopy; Thalamus (Williamson, A.M. (631) 175)

Cortex layer IV
Linear AVP antagonist; Vasopressin V_{1a} receptor; Arginine vasopressin; Hypothalamus; Substantia nigra; Ventral tegmental area (Johnson, A.E. (622) 9)

Cortical activation
N-Methyl-D,L-aspartic acid; Lactation; c-*fos* expression; *N*-Methyl-D-aspartate receptor inactivation; Progesterone (Abbud, R. (604) 16)

Cortical area V1
Nitric oxide synthase; Immunocytochemistry; Cytochrome oxidase; Activity dependence; Electron microscopy (Aoki, C. (620) 97)

Cortical cell culture
Muscarinic receptor; Cyclic GMP; Nitric oxide; Carbachol; Nitric oxide synthase inhibitor (Castoldi, A.F. (610) 57)

Cortical cerebral blood flow
Local cortical neuron; Basal forebrain; Cholinergic; Ibotenic acid; Laser-Doppler flowmetry (Linville, D.G. (622) 26)

Cortical cholinergic neuron
Nerve growth factor; Nucleus basalis magnocellularis; Choline acetyltransferase (Dekker, A.J. (601) 329)

Cortical D_2 receptor
Dopamine D_2 receptor; Limbic D_2 receptor; Thalamic D_2 receptor; [^{125}I]Epidepride; Extrastriatal D_2 receptor; Human brain post mortem study (Kessler, R.M. (609) 237)

Cortical lamina
Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Aging; Affective disorder (Arango, V. (630) 271)

Cortical lesion
c-*fos* mRNA expression; Ca^{2+} uptake; Membrane potential; In situ hybridization (Ruzdijic, S. (601) 230)

Human urinary trypsin inhibitor; Urinastatin; Urinastatin-like substance; Murine brain; Conditioned stress; Hippocampus (Shikimi, T. (616) 230)

Cortical masticatory area
Cerebellum; Interpositus nucleus; Mastication; Jaw movement; Rhythm; Resetting (Katayama, T. (617) 143)

Cortical neuron
$GABA_A$ receptor; Receptor topology; Label-fracture; Fracture-flip; Cerebellar granule cell (Caruncho, H.J. (603) 234)

Culture; Glutamate uptake; Neurotoxicity (Sass, J.B. (621) 207)

Rat; Nystatin-perforated patch recording; Kainate; Outward current (Omura, T. (627) 345)

Cortical potential
Cerebellum; Dentate nucleus; Cooling; Motor cortex; Monkey (Tsujimoto, T. (629) 1)

Cortical projection
Nucleus ventralis posteromedialis parvocellularis; Tongue; Somatosensory lingual input; Coronal gyrus; Jaw movement (Nishikawa, Y. (605) 265)

Cortical pyramidal neuron
Adrenoceptor; Alzheimer's disease; $GABA_A$ receptor; Kainate receptor; Muscarinic receptor; Phosphoinositide-linked receptor (Chessell, I.P. (632) 86)

Cortical slice
Nitric oxide; Glutamate; Epilepsy; DBA/2 mouse (Rowley, H.L. (613) 49)

Cortical spreading depression
Cerebral blood flow; Migraine (Fabricius, M. (602) 350)

Cortical tissue
Buffer capacity; Neuron; Astrocyte; Direct titration; NH_4^+ method; CO_2 method; Propionate (Katsura, K.-i. (618) 283)

Cortical transplant
Tectal transplant; Functional reinnervation; Visual topography; Electrophysiology (Girman, S.V. (607) 167)

Cortico-cortical connection
Rhesus monkey; Prorhinal cortex; Perirhinal cortex; Superior temporal sulcus; Cytochrome oxidase; In situ hybridization; Alzheimer's disease (Chandrasekaran, K. (606) 213)

Corticospinal tract neuron
Radiation; Developing neuron; Neurogenesis (Ochiai, H. (603) 129)

Corticosteroid
Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; RU 28362; RU 26752; Corticosterone; Dexamethasone (Jacobson, L. (625) 84)

Glucocorticoid receptor; Pain; Immunocytochemistry; Immediate early gene; C-fiber stimulation; Nociception; Primary sensory neuron (Cintra, A. (632) 334)

Corticosteroid-binding globulin
Hypothalamic-pituitary-adrenal axis; Mineralocorticoid receptor; Glucocorticoid receptor; Stress response; Diurnal rhythm; Rat strain; Neuro-immune (Dhabhar, F.S. (616) 89)

Corticosteroid hormone
Carbachol; Hippocampus; Intracellular recording; Rat (Hesen, W. (627) 159)

Corticosterone
Calcium; Neurotoxicity; Glucocorticoid; Stress; Hippocampus (Elliott, E.M. (602) 84)

Mycoplasma; Tumor necrosis factor-α; Astrocyte; Dexamethasone; Multiple sclerosis; AIDS dementia (Brenner, T. (608) 273)

Stress; Serotonin; CRF mRNA; c-*fos*; Adrenocorticotropic hormone (Harbuz, M.S. (609) 167)

Tachykinin; Neuropeptide K; Neurokinin A; Neuropeptide Y; NK-2 agonist (Kalra, P.S. (610) 330)

Food restriction; Addiction; Sensitization; Amphetamine; Morphine; Locomotor activity (Deroche, V. (611) 352)

Norepinephrine; Obesity; Catecholamine; Adrenalectomy; Adrenoceptor (Levin, B.E. (614) 146)

Mineralocorticoid receptor; Glucocorticoid receptor; Paraventricular nucleus; Feeding; Carbohydrate; Fat (Tempel, D.L. (614) 197)

Dorsal hippocampus; Paraventricular nucleus; CRF-41; Dexamethasone; Photic stimulation (Feldman, S. (614) 227)

Spatial memory; Radial arm maze; Hippocampus; Serotonin (Luine, V.N. (616) 65)

Corticotropin-releasing hormone; Amygdala; Anterior pituitary; Corticotropin-releasing hormone receptor; Adrenocorticotropin hormone; Cellular immunity (Hauger, R.L. (616) 283)

Amphetamine; Sensitization; Locomotor activity; Stress (Pauly, J.R. (620) 195)

Amygdala; Hippocampus; Hypothalamus; Ventral striatum; Dorsal striatum; Frontal cortex; Restraint stress; 6-Hydroxydopamine lesion; Dopamine (Casolini, P. (622) 311)

Self-administration; Addiction; Hypothalamo-pituitary-adrenal axis (Deroche, V. (622) 315)

Addiction; Individual difference; Morphine; Locomotor activity (Deroche, V. (623) 341)

Corticosteroid; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; RU 28362; RU 26752; Dexamethasone (Jacobson, L. (625) 84)

Central amygdaloid nucleus; Heart rate; Behavior; Catecholamine; CRH; Microinfusion; CRH antagonist (Wiersma, A. (625) 219)

Steroid receptor; Pentylenetetrazol; Aminoglutethimide; Convulsion; Mouse (Roberts, A.J. (626) 143)

CRF; Noradrenaline; MHPG-SO_4; Stress; Brain region; CRF antagonist; α-Helical CRF_{9-41} (Emoto, H. (627) 171)

Serotonin; Prolactin; Renin; Vasopressin; Antidepressant (Li, Q. (630) 148)

Corticostriatal
Striatum; Tetanus; Synaptic depression; Intracellular; EPSP (Walsh, J.P. (608) 123)

Corticostriatal transmission
Sensorimotor cortex; Prelimbic cortex; Striatum; Substantia nigra; Convergence; Dopamine (Florio, T. (619) 180)

Corticosubthalamic projection
Anterior coronal gyrus; Subthalamic nucleus; WGA-HRP; Cat (Noda, T. (605) 305)

Corticotextal pathway
Superior colliculus; Retinotectal pathway; Long-term potentiation (LTD); LTP inhibition; GABA (Hirai, H. (629) 23)

Corticotrophin releasing hormone
Cytokine; Interleukin-1; Luteinizing hormone; Opioid; Opioid receptor; Luteinizing hormone pulse (Bonavera, J.J. (612) 1)

Corticotropin-releasing factor
Hypothalamus; Noradrenaline; In vivo microdialysis (Emoto, H. (601) 286)

Ethanol dependence; Ethanol withdrawal; Amygdala (Rassnick, S. (605) 25)

Sensitization; Amphetamine; Pituitary adrenocortical system; Rat (Cador, M. (606) 181)

Neuropeptide Y; Feeding; Paraventricular nucleus; Ventromedial hypothalamus; Dexamethasone; α-Helical CRF_{9-41}; Rat (Heinrichs, S.C. (611) 18)

Electrophysiology; Paraventricular nucleus; 8-OH-DPAT; Serotonin 5-HT_{1A} receptor (Saphier, D. (615) 7)

c-fos expression; Stress (Imaki, T. (616) 114)

Cocaine; Hypothalamus; Extrahypothalamic-limbic brain region; Radioimmunoassay (Sarnyai, Z. (616) 315)

Thyrotropin-releasing hormone; Synapse; Double immunolabeling; Electron microscopy; Paraventricular nucleus; Hypothalamus; Rat (Hisano, S. (620) 343)

Paraventricular nucleus; Barrington's nucleus; Stress; Chlordiazepoxide (Imaki, T. (623) 223)

Amygdala; Stress; Defensive behavior; Freezing (Swiergiel, A.H. (623) 229)

Interleukin-1β; Nociception; Hyperalgesia; Interleukin-1 receptor antagonist; α-Melanocyte-stimulating hormone; Arachidonate cascade (Oka, T. (624) 61)

Amygdala; Stress ulcer; Noradrenaline (Ray, A. (624) 286)

5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; CRH; Metabolism; Gepirone; Serotonin 5-HT_{1A} receptor; Noise (Boadle-Biber, M.C. (628) 105)

Corticotropin-releasing factor radioimmunoassay
Monoclonal antibody to CRF; Paraventricular nucleus; Ventromedial hypothalamus; Ricin A chain; Food intake; Neuropeptide Y; Dexamethasone (Menzaghi, F. (618) 76)

Corticotropin-releasing hormone
Nitric oxide; L-Arginine; Nitroprusside; Molsidomine; Nitric oxide synthase; Interleukin; Hypothalamus (Costa, A. (605) 187)

Human hypothalamic nucleus; Vasopressin; Hypothalamo-pituitary-adrenal axis; Stress; Aging; Immunocytochemistry (Raadsheer, F.C. (615) 50)

Amygdala; Anterior pituitary; Corticotropin-releasing hormone receptor; Adrenocorticotropin hormone; Corticosterone; Cellular immunity (Hauger, R.L. (616) 283)

Psychological stress; Footshock; Arousal; Pentobarbital; CRH-receptor antagonist; Adrenocorticotropin; Catecholamine (Shibasaki, T. (618) 71)

Interleukin-1; Interleukin-6; Tumor necrosis factor-α; Prostaglandin; Norepinephrine turnover; Hypothalamus (Terao, A. (622) 257)

Repeated stress; Vasopressin; Paraventricular nucleus; Adrenocorticotropin; Glucocorticoid (Kiss, A. (630) 262)

Arginine vasopressin; IL-1; α Melanocyte-stimulating hormone; Organ explant (Zelazowski, P. (631) 22)

Stress; Immunity; Benzodiazepine (Irwin, M. (631) 114)

Corticotropin-releasing hormone receptor
Corticotropin-releasing hormone; Amygdala; Anterior pituitary; Adrenocorticotropin hormone; Corticosterone; Cellular immunity (Hauger, R.L. (616) 283)

Cortisol
Adrenocorticotrophin; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Parkinson's disease; Hypothalamus; Dopaminergic neuron (Mizobuchi, M. (612) 319)

Cotinine
Nicotine; Nicotinic cholinergic receptor; Vestibular system; Vestibular efferent; Response threshold; Chick (Roll, R.L. (604) 260)

Nicotine; Spike wave discharge; High voltage spindle; High-voltage spindle; Mecamylamine; Rat; EEG (Radek, R.J. (625) 23)

Coughing
Respiration; Vomiting; Kainic acid; Cervical spinal cord; Inspiratory neuron; Propriospinal neuron; Intercostal discharge pattern (Miller, A.D. (606) 143)

Cough reflex
Airway control; Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Ondine's curse; Respiratory control; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

CP-55,940
Tetrahydrocannabinol; Cannabidiol; Catalepsy; Tolerance; Autoradiography (Oviedo, A. (616) 293)

Cannabinoid; Δ^9-Tetrahydrocannabinol; Receptor; Pain; Analgesia; Antinociception; Brain; Rat; WIN55,212-2 (Martin, W.J. (629) 300)

(−)-CP-55,940
Δ^9-Tetrahydrocannabinol; Reinforcement; Operant conditioning; Hippocampal CA1 cell; Extracellular recording; Marijuana; Cannabinoid receptor (Xue, B.G. (626) 272)

CP-96,345
Defensive rage behavior; Amygdala; Substance P; Neurokinin NK_1 receptor; Cat; Predatory attack behavior; Hypothalamus (Shaikh, M.B. (625) 283)

CP-122,288
Sumatriptan; Migraine; Neurogenic inflammation; Tachykinin; Trigeminal ganglia; Serotonin; CP-122,638 (Lee, W.S. (626) 303)

CP-122,638
Sumatriptan; Migraine; Neurogenic inflammation; Tachykinin; Trigeminal ganglia; Serotonin; CP-122,288 (Lee, W.S. (626) 303)

CPD
Macrolide antibiotic; FK-506; Excitotoxicity; *N*-Methyl-D-aspartate; Glutamate; Cerebellar granule neuron; Calcium (Manev, H. (624) 331)

CPG
Command neuron; Feeding behavior; Dopamine (Teyke, T. (630) 226)

C3 protein
Alzheimer's disease; Microglia; β/A4 amyloid protein; Synthetic peptide; Senile plaque (Haga, S. (601) 88)

Crayfish
Photoreceptor; Second messenger; Transduction; Calcium; Inositol trisphosphate; GTP; Caudal photoreceptor (Kruszewska, B. (618) 32)

Serotonin; Neuromodulation; Chordotonal organ; Primary afferent terminal; Immunohistochemistry; In vitro preparation (Rossi-Durand, C. (632) 1)

C-reactive protein
Alzheimer's disease; Acute phase protein; Interleukin-1β; Interleukin-1 receptor antagonist; Interleukin-6; α2-Macroglobulin (Wood, J.A. (629) 245)

Creatine phosphate
Inositol phosphate; Diacylglycerol; Free fatty acid; Adenosine 5′-triphosphate; Lithium; Cerebral ischemia (Lin, T.-A. (606) 200)

CRF-41
Dorsal hippocampus; Paraventricular nucleus; Corticosterone; Dexamethasone; Photic stimulation (Feldman, S. (614) 227)

Noradrenaline; MHPG-SO_4; Stress; Brain region; Corticosterone; CRF antagonist; α-Helical CRF_{9-41} (Emoto, H. (627) 171)

CRF antagonist
CRF; Noradrenaline; MHPG-SO_4; Stress; Brain region; Corticosterone; α-Helical CRF_{9-41} (Emoto, H. (627) 171)

CRF mRNA
Stress; Serotonin; c-*fos*; Adrenocorticotropic hormone; Corticosterone (Harbuz, M.S. (609) 167)

CRH
Central amygdaloid nucleus; Heart rate; Behavior; Catecholamine; Corticosterone; Microinfusion; CRH antagonist (Wiersma, A. (625) 219)

5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; Metabolism; Gepirone; Serotonin 5-HT_{1A} receptor; Noise (Boadle-Biber, M.C. (628) 105)

CRH antagonist
Central amygdaloid nucleus; Heart rate; Behavior; Catecholamine; Corticosterone; CRH; Microinfusion (Wiersma, A. (625) 219)

CRH-receptor antagonist
Psychological stress; Footshock; Corticotropin-releasing hormone; Arousal; Pentobarbital; Adrenocorticotropin; Catecholamine (Shibasaki, T. (618) 71)

Critical temperature
Alzheimer's disease; Membrane; Lipid bilayer instability; Neurodegeneration (Ginsberg, L. (615) 355)

c-*fos* mRNA expression
Ca^{2+} uptake; Membrane potential; Cortical lesion; In situ hybridization (Ruzdijic, S. (601) 230)

Cromakalim
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Cross reacting determinant
Acetylcholine; Choline-*O*-acetyltransferase; Glycosyl-phosphatidylinositol; Glycosylphosphatidylinositol-specific phospholipase C; Hippocampus; Phosphatidylinositol-specific phospholipase C; Rat brain (Smith, L.K. (605) 155)

Cross-species
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Cross tolerance
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Crustacea
Calcium channel; Burst; Plateau potential; Synapse; Electrical coupling; Lobster (Zirpel, L. (617) 205)

Crustacean
Cardiac ganglion; Driver potential; Burst-organizing potential; Tetraethylammonium ion; Barium; Lobster (Berlind, A. (609) 51)

Electrotonic coupling; Dye coupling; Neurosecretory cell (Alvarado-Alvarez, R. (613) 43)

Cryogenic electron paramagnetic resonance
Nitric oxide; In vivo spin-trapping; Focal ischemia; Endothelium-derived relaxing factor; Nitric oxide synthase inhibitor (Tominaga, T. (614) 342)

Cryopreservation
Human fetal brain; Cell loss; Cell viability (Dong, J.F. (621) 242)

Culture; Transplantation; Dopamine; Rotational behavior (Collier, T.J. (623) 249)

CSF
Choroid plexus; Meninges; Thyroid hormone; Plasma protein; Hyperthyroidism; Hypothyroidism; Thyroxine (Blay, P. (632) 114)

C-type natriuretic peptide
Atrial natriuretic peptide; Brain natriuretic peptide; Cerebrospinal fluid (Kaneko, T. (612) 104)

Astrocyte; Cyclic GMP; Receptor subtype; Binding assay (Kobayashi, H. (617) 163)

Culture
Spinal cord injury; Glucocorticoid; Neurite transection; Axotomy; Dendrotomy (Rosenberg-Schaffer, L.J. (605) 327)

Cortical neuron; Glutamate uptake; Neurotoxicity (Sass, J.B. (621) 207)

Cryopreservation; Transplantation; Dopamine; Rotational behavior (Collier, T.J. (623) 249)

Neuropeptide Y; Brain; Glia; Astrocyte; Neuron; Differentiation (Barnea, A. (625) 313)

Aplysia; Synapse; Slow K^+ current; FMRFamide (Yanaura, M. (629) 88)

Astrocyte; Brain; Goldfish; Neurogenesis (Sivron, T. (629) 199)

Recombinant human nerve growth factor; Glutamate; Neurotoxicity; Protection (Shimohama, S. (632) 296)

Cultured cell
Calcium-gated chloride current; Ca current; Ba current; Trigeminal root ganglion; Marine catfish (Ogura, T. (621) 10)

Parkinson's disease; Iron; Mitochondria; Oxidative stress; PC12 (Hartley, A. (627) 349)

Cultured cerebellar neuron
Extracellular recording; Ionotropic receptor; Metabotropic receptor; Quisqualate; ACPD; AMPA (Fox, E.A. (631) 59)

Cultured cortical neuron
Immune mediator; Late potassium outward current; I_K; Membrane potential; Astrocyte (Köller, H. (628) 313)

Cultured hippocampal neuron
Self-assembled monolayer; Surface chemistry; Surface analysis; X-ray photoelectron spectroscopy; Neuron survival; Neuron growth (Stenger, D.A. (630) 136)

Cultured neuron
Ciliary neuronotrophic factor; Somatostatin; Ciliary ganglion; Differentiation factor; Chick; Choroid neuron (Smet, P.J. (609) 351)

Cerebral ischemia; Serotonin; Serotonin 5-HT_{1A} agonist; Serotonin 5-HT_2 antagonist; Neuroprotection; Chemical hypoxia; Glutamate (Prehn, J.H.M. (630) 10)

Nitroarginine; Intracellular calcium; Glutamate; Hemoglobin; Cyclic GMP (Tanaka, T. (631) 72)

Cuneate nucleus
Regeneration; Plasticity; Dorsal horn; Dorsal column nuclei; Primate (Florence, S.L. (601) 343)

Cupiennius salei
Spider nervous system; Octopamine; Neuroanatomy; Immunocytochemistry; High-pressure liquid chromatography; Hemolymph (Seyfarth, E.-A. (611) 197)

Current
Trisomy 16; Down's syndrome; Action potential; Hippocampus; Primary culture; Mouse; Patch-clamp (Galdzicki, Z. (604) 69)

Current clamp
Intracellular; Central amygdaloid nucleus; Accommodation; Afterhyperpolarization; In vitro; Electrophysiology (Schiess, M.C. (604) 283)

Vagal motoneuron; Autonomic; Medulla; Neuromodulation; Peptide; Brainstem slice; Potassium current (Livingston, C.A. (621) 97)

Current source density
Rhythmic slow activity; Field potential; Rat (Brankack, J. (615) 310)

Neuron injury; Spreading depression; Potassium; Depolarization; Hippocampus CA1; Microdialysis (Herreras, O. (617) 194)

Dark rearing; Plasticity; Long-term potentiation; Rat; Visual cortex (Berry, R.L. (628) 99)

Auditory cortex; Evoked potential; Rat; Laminar analysis (Di, S. (630) 303)

Current source density analysis
Secondary somatosensory cortex; Ventral posterolateral thalamic nucleus; Field potential; Long-lasting potentiation (Kawakami, Y. (605) 147)

Electrophysiology; Posterior cingulate cortex; Rat; Slice; Subiculum (Hedberg, T.G. (632) 239)

$CuSO_4$
Nucleus parabrachialis; Protein kinase C; Conditioned taste aversion; LiCl (Krivanek, J. (629) 327)

CXBK mouse
Morphine; Conditioned place preference; Naloxonazine; μ Opioid receptor subtype; Reinforcement; Dopamine D_1 receptor (Suzuki, T. (602) 45)

Cyanide
Cell-attached patch; Whole-cell voltage clamp; Anoxia; In vitro (Jiang, C. (614) 352)

Glomoid cell; Chemostimulation; Histotoxic hypoxia; Catecholamine (Donnelly, D.F. (630) 157)

6-Cyano-7-nitroquinoxaline-2,3-dione
Kainate; α-Amino-3-hydroxy-5-methylisoxazole-4-propionate; Glutamate receptor; GluR; Autoradiography; *Xenopus* brain (Barnes, J.M. (626) 259)

Cyclic AMP
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Synaptic facilitation; Spike broadening; Synaptic plasticity; Sensitization; Dishabituation; Neuromodulation (Jarrard, H.E. (616) 188)

N-18 Cell; DNA methylation; Choline acetyltransferase; Tyrosine hydroxylase; Neuronal differentiation; Retinoic acid (Okuse, K. (626) 225)

Lidocaine; cAMP-dependent protein phosphorylation; Na^+ current; Protein kinase; *Euhadra* neuron (Onozuka, M. (628) 335)

Cyclic AMP-dependent protein kinase
Morphine; Opiate tolerance; Dependence and withdrawal; Adenylate cyclase; G-protein; Neuronal excitability; Inbred rat strain; Genetic vulnerability (Guitart, X. (611) 7)

Cyclic GMP
Muscarinic receptor; Nitric oxide; Carbachol; Cortical cell culture; Nitric oxide synthase inhibitor (Castoldi, A.F. (610) 57)

C-type natriuretic peptide; Astrocyte; Receptor subtype; Binding assay (Kobayashi, H. (617) 163)

Cultured neuron; Nitroarginine; Intracellular calcium; Glutamate; Hemoglobin (Tanaka, T. (631) 72)

Cyclic nucleotide
Pinealocyte; Calcium; Norepinephrine; Melatonin; *N*-Acetyltransferase; Image analysis (Schaad, N.C. (614) 251)

2′,3′-Cyclic nucleotide 3′-phosphodiesterase
Myelin; Hypomyelinating mutant; Caprine β-mannosidosis; Myelin basic protein; Myelin-associated glycoprotein; Proteolipid protein; Glial fibrillary acidic protein (Sasaki, M. (620) 127)

Cycloheximide
Amphetamine; Cocaine; Protein synthesis inhibitor; Anisomycin; Behavioral sensitization; Mouse (Karler, R. (603) 19)

***N^6*-Cyclopentyl adenosine**
Acetylcholine; CGS 21680; Adenosine; Release; Cerebral cortex (Phillis, J.W. (605) 293)

Acetylcholine; Ischemia; Cerebral cortex; CGS 21680 (Phillis, J.W. (613) 337)

Cyclostome
Retinopetal system; Axonal tracing; Immunocytochemistry; GABA (Rio, J.P. (600) 9)

Cyproheptadine
Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Cystatin
Astrocyte; Aging; Immunohistochemistry; Polymerase chain reaction; Cysteine protease inhibitor (Yasuhara, O. (628) 85)

Cysteamine
Somatostatin; Scopolamine; Muscarinic receptor; Working memory; Reference memory; Immunohistochemistry; Rat (Ohno, M. (610) 348)

Astrocyte; Peroxidase activity; Autofluorescence; Cell fractionation; Gomori stain (Cissé, S. (615) 141)

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Cysteate
Cysteine; Glucose deprivation; Hypoxia; Neurotoxicity; *N*-Methyl-D-aspartate receptor subset (Schurr, A. (601) 317)

Cysteine
Cysteate; Glucose deprivation; Hypoxia; Neurotoxicity; *N*-Methyl-D-aspartate receptor subset (Schurr, A. (601) 317)

Ischemia; Glutathione; Neurotoxicity; Hippocampus; Striatum (Slivka, A. (608) 33)

Cysteine protease inhibitor
Astrocyte; Aging; Immunohistochemistry; Polymerase chain reaction; Cystatin (Yasuhara, O. (628) 85)

Cytisine
Nicotinic cholinergic receptor; Human brain; Nicotine; Receptor binding (Hall, M. (600) 127)

Cytoarchitecture
Immunocytochemistry; Neuropeptide Y; Intergeniculate leaflet (Laemle, L.K. (618) 352)

Cytochrome
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Cytochrome oxidase
Near-infrared spectrophotometry; Pentylentetrazol; Seizure; Cerebral oxygenation (Hoshi, Y. (603) 215)

NGFI-A; Krox-24; Immediate-early gene; Fos; Immunohistochemistry; Vervet (Chaudhuri, A. (605) 349)

Rhesus monkey; Prorhinal cortex; Perirhinal cortex; Superior temporal sulcus; In situ hybridization; Cortico-cortical connection; Alzheimer's disease (Chandrasekaran, K. (606) 213)

Cortical area V1; Nitric oxide synthase; Immunocytochemistry; Activity dependence; Electron microscopy (Aoki, C. (620) 97)

Cytochrome oxidase histochemistry
Kindling; Rat (Nobrega, J.N. (622) 113)

Cytochrome P-450
Carbamazepine; Cocaine; Pharmacogenetics; Pharmacokinetic; Inbred mouse strain; Seizure; Anticonvulsant (Marley, R.J. (600) 193)

Brain; Ethanol; Cytochrome P-450IIE1; Mono-oxygenase (Anandatheerthavarada, H.K. (601) 279)

Cytochrome P-450IIE1
Brain; Cytochrome P-450; Ethanol; Mono-oxygenase (Anandatheerthavarada, H.K. (601) 279)

Cytokine
Interleukin-1; Luteinizing hormone; Opioid; Opioid receptor; Corticotrophin releasing hormone; Luteinizing hormone pulse (Bonavera, J.J. (612) 1)

Trophic agent; Neurotransmitter expression; Autonomic nervous system (Freidin, M. (615) 135)

Hippocampus; Spleen; Testis (Takao, T. (623) 172)

Immunohistochemistry; Quinolinic acid; Excitotoxin; Macrophage; Dendritic cell (Moffett, J.R. (623) 337)

Endogenous pyrogen; Ventral septal area; Lateral habenula; Antipyresis (Wilkinson, M.F. (625) 342)

Electrophysiology; Excitatory postsynaptic potential; HIV-1 associated dementia; Interleukin-1β; Learning and memory; Synaptic transmission (Bellinger, F.P. (628) 227)

Frontal cortex; Gliosis (Da Cunha, A. (631) 39)

Cytoskeletal protein
Carbon disulfide; CaM kinase II; Phosphorylation (Wilmarth, K.R. (628) 293)

Cytoskeleton
Neurofilament; Axon; Node of Ranvier; Random array; Poisson distribution (Price, R.L. (607) 125)

Alzheimer's disease; Microtubule-associated protein (Scott, C.W. (611) 237)

Aging; Alzheimer's disease; Oxidation; Tau (Troncoso, J.C. (613) 313)

Anoxia; Axon; Calcium-mediated neuronal injury; Microtubule; Neurofilament (Waxman, S.G. (614) 137)

Phenytoin; Hippocampal neuron; Cell viability (Bahn, S. (615) 160)

Axonal transport; Cell motility; Neurofilament; Polymer (Lasek, R.J. (616) 58)

Dentate gyrus; Developmental disorder; Rearing condition (Siegel, S.J. (619) 299)

MAP2; Anoxia; Brain slice; In vitro (Kwei, S. (620) 203)

Alzheimer's disease; Tau; Aluminum; Microtubule; Deferoxamine (Scott, C.W. (628) 77)

Axonal transport; Aging; Trophic support; Neural degeneration; Microtubule (Viancour, T.A. (628) 209)

Cytosolic calcium
Fura-2; NMDA; Neuron; Resting $[Ca^{2+}]_i$; $\Delta[Ca^{2+}]_i$ (Nakajima, K. (603) 321)

Type I hair cell; Vestibular system; Semicircular canal; γ-Aminobutyric acid$_B$; Ionic current; Guinea-pig (Lapeyre, P.N.M. (609) 269)

Cytosolic free calcium
Chick ciliary ganglion cell; Fura-2 microfluorometry; Caffeine; Muscarinic agonist; Ryanodine; Thapsigargin (Sorimachi, M. (627) 34)

Cytotoxicity
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Cytotoxic T cell
Neural transplantation; 15-Deoxyspergualin; Cross-species; Immunosuppressant (Zhou, J. (621) 155)

D

DADLE
Opioid; Ca^{2+} channel; ω-Conotoxin; Differentiation; NG108-15 (Jin, W. (607) 17)

DAMGO
Intracerebroventricular; Intrathecal; μ-Opiod; δ-Opiod; κ-Opioid; DPDPE; U50,488H; Synergy (Miaskowski, C. (608) 87)

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Diabetes; β-Endorphin; Antinociception; Naltrindole; U-50,488H; DPDPE; Mouse (Kamei, J. (619) 76)

Dantrolene
Microfluorometry; Rhod-2; Calcium; Hippocampus; Extracellular DC potential; Ischemia-like condition; Gerbil (Mitani, A. (601) 103)

Dark adaptation
Input–output relation; Synaptic gain; Depolarizing bipolar cell; Hyperpolarizing bipolar cell; Spectral sensitivity; Response–intensity relation; Horizontal cell (Yang, X.-L. (613) 275)

Dark rearing
Plasticity; Long-term potentiation; Rat; Visual cortex; Current source density (Berry, R.L. (628) 99)

DBA/2J inbred mouse
Cerebellum; C57BL/6J inbred mouse; Genetics; Pattern formation; Recombinant inbred strain (Neumann, P.E. (619) 81)

DBA/2 mouse
Nitric oxide; Glutamate; Epilepsy; Cortical slice (Rowley, H.L. (613) 49)

Deafferentation pain
Nucleus ventralis posterolateralis thalami; Spinothalamic tract; Thalamus; *N*-Methyl-D-aspartate; MK-801 (Koyama, S. (612) 345)

Deafness
Positron emission tomography; Auditory cortex; Neuronal plasticity (Catalán-Ahumada, M. (623) 287)

Decay time constant
Long-term potentiation; Hippocampus; Glutamate receptor; Channel kinetics; Paired-pulse facilitation; Release kinetics (Ambros-Ingerson, J. (620) 237)

Decerebration
Artificial selection; Imprinting; Innate preference; Japanese quail; Neural representation (Kovach, J.K. (629) 181)

Deep layer of superior colliculus
Epilepsy; Bicuculline; Convulsion; Substantia nigra; Deep prepiriform cortex (Gale, K. (603) 279)

Deep prepiriform cortex
Epilepsy; Bicuculline; Convulsion; Substantia nigra; Deep layer of superior colliculus (Gale, K. (603) 279)

Defence
Periaqueductal gray; Respiration; Vocalization; Midbrain; Hering–Breuer reflex; Larynx; Upper airway reflex; Excitatory amino acid (Davis, P.J. (607) 61)

Defence reaction
Freezing; Flight; Baroreflex sensitivity; Sinoaortic denervation; Mesencephalic tectum; Periaqueductal gray matter (Schenberg, L.C. (621) 50)

Defense
Aplysia; Respiratory pumping; Learning; pH; Salinity; Serotonin (Levy, M. (616) 218)

Defensive behavior
Amygdala; Corticotropin-releasing factor; Stress; Freezing (Swiergiel, A.H. (623) 229)

Defensive rage behavior
Amygdala; Substance P; Neurokinin NK$_1$ receptor; CP-96,345; Cat; Predatory attack behavior; Hypothalamus (Shaikh, M.B. (625) 283)

Deferoxamine
Alzheimer's disease; Tau; Aluminum; Microtubule; Cytoskeleton (Scott, C.W. (628) 77)

Defined medium
Astrocyte; Glutamate; *t*-ACPD; Phosphoinositide; Inositol phosphate; Metabotropic (Miller, S. (618) 175)

Somatostatin; Hypothalamic culture; Glial cell; Serum supplemented medium; Development (Davidson, K. (624) 75)

Degeneration
Rat visual system; Axotomy; Neurotrophic factor; Fluorescent dye (Mey, J. (602) 304)

Motor neuron disease; Alpha motoneuron; Trk; Neurotrophin; In situ hybridization (Seeburger, J.L. (621) 111)

Microneurography; Peripheral nerve; Intraneural stimulation; Regeneration (Rice, A.S.C. (631) 221)

Deglutition
Ventro-lateral medulla; Excitatory amino acid; Rat (Kessler, J.-P. (603) 353)

Dehydro-L-ascorbic acid reductase
Ascorbate; Antioxidant defense; Oxygen radical scavenger (Rose, R.C. (628) 49)

Delayed neuronal death
Histamine; Fluoromethylhistidine; Mepyramine; Cerebral ischemia; Four-vessel occlusion (Adachi, N. (602) 165)

Basic fibroblast growth factor; Cerebral ischemia; Hippocampus; Mongolian gerbil (Nakata, N. (605) 354)

Calcium; NMDA receptor antagonist; Gerbil; Microtubule-associated protein 2; Cerebral ischemia (Nakamura, K. (613) 181)

ATL-derived factor; Astroglia; Free radical (Tomimoto, H. (625) 1)

Delayed rectifier
Mineralocorticoid; Glucocorticoid; Inward rectifier; A-current; Patch clamp; Hippocampal slice (Karst, H. (612) 172)

Dementia
Epidermal growth factor receptor; Alzheimer's disease; Endothelial cell; Vasculature; Blood–brain barrier; Pituitary; Epidermis (Styren, S.D. (615) 181)

CA1 neuron; Chronic cerebrovascular insufficiency; Neuronal rescue; Hippocampus; Reactive astrocytosis; Cerebral blood flow (De la Torre, J.C. (623) 6)

Aging; Cholinergic; Immunocytochemistry; Neurotensin; Somatostatin; Substance P (Benzing, W.C. (625) 125)

Alcohol; Acetylcholine; Barrel; Diagonal band of Broca; Nucleus basalis (Miller, M.W. (627) 104)

Alzheimer's disease; PET; Glucose metabolism; Behavior (Jagust, W.J. (629) 189)

Demyelination
Microglia/macrophage; Proliferation; Twitcher mouse; Immunocytochemistry; Autoradiography (Ohno, M. (602) 268)

Axon; Action potential; Sodium channel; Activity dependence (Shrager, P. (619) 278)

Denatured tau polymer filament
Alzheimer's disease; Freeze-dried Pt-C replicated neurofibrillay tangle; Neurofibrillary pathology (Ruben, G.C. (601) 1)

Dendrite
Immunocytochemistry; Electron microscopy; Striatum (Rajakumar, N. (607) 47)

Time; Axon; Coincidence detector; Barn owl (Carr, C.E. (628) 330)

Cerebellar granule cell; Energy metabolism; Glucose; Neuron; Ouabain; Potassium (Peng, L. (629) 331)

Dendritic branching
Golgi stain; Neural development; Neurotoxicity; Acquired immune deficiency syndrome (AIDS); Peptide T (Hill, J.M. (603) 222)

Self-stimulation reward; Hippocampus; Motor cortex; Pyramidal neuron; Neuronal plasticity (Rao, B.S.S. (627) 216)

Dendritic cell
Immunohistochemistry; Quinolinic acid; Excitotoxin; Macrophage; Cytokine (Moffett, J.R. (623) 337)

Dendritic spine
Plasticity; Dendrodendritic synapse; Synaptic inhibition; Computer simulation (Antón, P.S. (628) 157)

Dendritic spine protein
LTP-associated protein; Phorbol ester-activated Cl^- current; Intracellular Ca^{2+} (Cohen, R.W. (627) 147)

Dendrodendritic synapse
Dendritic spine; Plasticity; Synaptic inhibition; Computer simulation (Antón, P.S. (628) 157)

Dendrotomy
Culture; Spinal cord injury; Glucocorticoid; Neurite transection; Axotomy (Rosenberg-Schaffer, L.J. (605) 327)

Denervation
Transglutaminase; Acetylcholine; Norepinephrine; GM1-ganglioside; α-Sialyl cholesterol; Superior cervical (sympathetic) ganglia; Axotomy (Ando, M. (604) 64)

Sprouting; Hippocampus; Autoradiography; PIA; Adenosine A_1 receptor; Perforant path; Paired-pulse depression (Kahle, J.S. (609) 201)

Nitric oxide synthase; Retina; Optic nerve; Pterygopalatine ganglion; Rat (Yamamoto, R. (631) 83)

Dense core vesicle
Opioid peptide; Ultrastructure; Exocytosis; Mesolimbic; Nigrostriatal; κ Opioid receptor (Pickel, V.M. (602) 275)

Dental pulp
Nerve injury; Blood flow; Laser Doppler; Neuropeptide; GAP-43; Neurotrophin receptor; Cat; Immunohistochemistry (Olgart, L. (625) 109)

Dentate gyrus
Experimental epilepsy; Pathology; Morphometry (Bertram III, E.H. (603) 25)

Hippocampus; Evoked response; Paired-pulse facilitation; *N*-Methyl-D-aspartate receptor; MK-801; Rat (Joy, R.M. (604) 273)

Nitric oxide; Long-term potentiation; Anesthetized rat (Mizutani, A. (605) 309)

Chronic lead; Long-term potentiation; Hippocampus; Induction; Brain lead (Lasley, S.M. (614) 347)

Long-term potentiation; Exploration; Spatial learning; Evoked potential; Hippocampus (Erickson, C.A. (615) 275)

Antiglucocorticoid; Learned helplessness; RU 38486 (Papolos, D.F. (615) 304)

Cytoskeleton; Developmental disorder; Rearing condition (Siegel, S.J. (619) 299)

Dopamine β-hydroxylase; Phenylethanolamine *N*-methyltransferase; Entorhinal cortex; Hippocampal formation; Transgenic mice; Electron microscopic immunocytochemistry (Arai, R. (621) 141)

Herbimycin A; Lavendustin A; Tyrosine kinase; Long-term potentiation; Anesthetized rat (Abe, K. (621) 167)

Acetylcholinesterase; Ectopic pyramidal cell; Hippocampus; Dreher mouse (Sekiguchi, M. (622) 203)

Colchicine; Extracellular recording; Evoked field potential; CA1; Neural transplantation (Dawe, G.S. (625) 63)

Glycogen phosphorylase; Circadian rhythm; Hippocampus; Metabolism; Rat (Harley, C. (626) 310)

Astrocyte; Brain injury; Reactive gliosis; Estradiol; Progesterone; Testosterone; Cerebral cortex; Hippocampus (Garcia-Estrada, J. (628) 271)

Dentate hilus
Cerebral ischemia; Ischemic tolerance; Laminin; Hippocampus; Immunohistochemistry; Mongolian gerbil (Sugimoto, A. (629) 159)

Dentate nucleus
Cerebellum; Cooling; Cortical potential; Motor cortex; Monkey (Tsujimoto, T. (629) 1)

2-Deoxy-D-[1-^{14}C]glucose
Acetylcholine; Alzheimer's disease; Cerebral glucose metabolism; Cognitive enhancer; Neurotransmitter releaser (Dent, G.W. (620) 7)

1-Deoxy-D-glucosamine
1-Deoxy-*N*-acetylglucosamine; Turnover of neuronal histamine in the hypothalamus; α-Fluoromethylhistidine; Chlorpheniramine; Feeding suppression (Kang, M. (631) 181)

2-Deoxy-D-glucose
Nucleus basalis magnocellularis; Cholinergic system; Nicotine; Arecoline; Physostigmine; Rat (De Micheli, E. (615) 80)

6-Hydroxydopamine; Feeding; Neonatal lesion; 2,5-Anhydro-D-mannitol (Lu, Y. (617) 120)

Neuropeptide Y; Arcuate nucleus; Suprachiasmatic nucleus; Paraventricular nucleus; Mercaptoacetate; Feeding behavior (Akabayashi, A. (621) 343)

Deoxyglucose
Sigma receptor; Psychomotor stimulant; Phencyclidine; Cerebral glucose metabolism (Della Puppa, A. (603) 38)

Autoradiography; Body temperature regulation; Pineal gland; Subfornical organ; Median eminence; Hypothalamus; Vasopressin; Epilepsy (Gross, P.M. (606) 135)

Glucose deprivation; Glycolytic blockade (Breier, A. (618) 277)

2-Deoxyglucose
Acetylcholine; Aging; Brain slice; AF64A; Cerebral cortex; Hippocampus; Muscarinic; Nicotinic (Shibata, S. (603) 248)

Odor preference formation; Olfactory bulb; Early learning; Glomerulus; Glial fibrillary acidic protein; Immunohistochemistry (Matsutani, S. (613) 317)

Intracerebroventricular; Neuroglucopenia; Glucose metabolism; Protein metabolism; Insulin; Glucagon; Catecholamine; Dog (Molina, P.E. (614) 99)

Absence epilepsy; Cerebral glucose utilization; Haloperidol; Ethosuximide (Nehlig, A. (618) 1)

Neural network; Structural equation modeling; Pavlovian conditioning; Auditory learning; Path analysis; Conditioned inhibition; Rat (McIntosh, A.R. (627) 129)

Diazepam withdrawal; Cerebral glucose utilization; Flumazenil; Set-point; Precipitated withdrawal; Spontaneous withdrawal; Withdrawal shift (Laurie, D.J. (631) 277)

[^{14}C]2-Deoxyglucose
Local cerebral glucose utilization; Spontaneously epileptic rat; Autoradiography; Hippocampus; Amygdala; Interictal state; Hypometabolism (Saji, H. (601) 76)

2-Deoxyglucose autoradiography
Regional cerebral glucose utilization; Dopamine D_1 receptor; Dopamine D_2 receptor; Amphetamine; Basal ganglia (Trugman, J.M. (607) 270)

c-Fos immunohistochemistry; Tonotopy; Auditory system (Reimer, K. (616) 339)

1-Deoxy-*N*-acetylglucosamine
1-Deoxy-D-glucosamine; Turnover of neuronal histamine in the hypothalamus; α-Fluoromethylhistidine; Chlorpheniramine; Feeding suppression (Kang, M. (631) 181)

15-Deoxyspergualin
Neural transplantation; Cross-species; Immunosuppressant; Cytotoxic T cell (Zhou, J. (621) 155)

Dependence
Ethanol; Hippocampus; Neuron; *N*-Methyl-D-aspartate; Sensitivity (Davidson, M.D. (606) 5)

Dependence and withdrawal
Morphine; Opiate tolerance; Cyclic AMP-dependent protein kinase; Adenylate cyclase; G-protein; Neuronal excitability; Inbred rat strain; Genetic vulnerability (Guitart, X. (611) 7)

c-*fos*; Fos; Opiate withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Depolarization
Hypoxia; Adenosine; Hippocampus; Adenosine A_1 receptor (Lee, K.S. (609) 313)

^{31}P NMR; ^{13}C NMR; Hippocampus; Brain slice (Ting, Y.-L.T. (610) 16)

Neuron injury; Spreading depression; Potassium; Current source density; Hippocampus CA1; Microdialysis (Herreras, O. (617) 194)

Aging; Brain; Muscarinic cholinergic receptor; Inositol phosphate; Intracellular calcium (Hartmann, H. (622) 86)

Hippocampus; In vitro; Epilepsy; Lactate; Energy; Neuroprotection (Stittsworth Jr., J.D. (630) 21)

Depolarization–inactivation
Cells-per-track; Electrophysiology; Ethanol; Intubation; Single-unit extracellular recording (Shen, R.-Y. (622) 289)

Depolarizing bipolar cell
Input–output relation; Synaptic gain; Hyperpolarizing bipolar cell; Spectral sensitivity; Response–intensity relation; Horizontal cell; Dark adaptation (Yang, X.-L. (613) 275)

Depotentiation
Long-term depression; Hippocampus; Long-term potentiation; Inhibition; GABA (Zhang, D.X. (613) 309)

Depression
Nucleus accumbens; Microdialysis; Rat; Restraint; Habituation (Imperato, A. (601) 333)

Serotonin; Raphe; Single-unit; Neonatal treatment; Rat; Chlorimipramine; Clomipramine (Yavari, P. (611) 31)

Human brain; Glutamate; NMDA receptor; MK-801; Suicide (Holemans, S. (616) 138)

Cholecytokinin; Cerebrospinal fluid; Spinal cord; Glucose; Eating; Alcoholism; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Stress; Dopamine; Learned helplessness; Laterality; Medial prefrontal cortex; Nucleus accumbens; Striatum (Carlson, J.N. (630) 178)

Benzodiazepine; GABA; Receptor; Chloride channel; Learned helplessness; Coping behavior; Shuttlebox escape learning; Anxiety (Drugan, R.C. (631) 270)

Depressive illness
Electroconvulsive stimulation; Long-term potentiation; Hippocampus; Memory (Stewart, C. (620) 139)

Depth EEG
El mouse; Epilepsy; Generalization; Parietal cortex; Hippocampus (Ishida, N. (608) 52)

Descending inhibition
Substance P; Met-enkephalin; Neurotensin; Formalin test; Immunocytochemistry; Rat (Zhang, R.X. (603) 162)

Descending pathway
Pain; Rostroventral medulla; Caudal ventrolateral medulla; Nociception (Murphy, A.Z. (606) 68)

Desensitization
Dorsal horn; Substance P receptor; Guanine nucleotide (Holland, L.N. (600) 89)

Helix; Lectin; Acetylcholine receptor; Concentration clamp; α-Bungarotoxin (Arvanov, V.L. (615) 252)

Substance P; Neurokinin A; Cardiovascular effect; Behavioral effect; Tachykinin receptor; Central nervous system (Culman, J. (625) 75)

Myo-inositol; Serotonin; Neocortex; *N*-Methyl-D-aspartate (Rahman, S. (631) 349)

Desensitization neurotoxicity
N-methyl-D-aspartate receptor; Cerebellar granule cell culture; 1-Aminocyclopropanecarboxylic acid; HA-966 (Boje, K.M. (603) 207)

Desipramine
Microdialysis; Yohimbine; Extracellular norepinephrine; Extracellular serotonin; Anticonvulsant effect; Genetically epilepsy-prone rat (Yan, Q.-S. (610) 24)

Tricyclic antidepressant; Norepinephrine transporter mRNA; Locus ceruleus; Transporter (Szot, P. (618) 308)

Desmethylimipramine
Mouse astrocyte culture (Kimelberg, H.K. (602) 41)

Thyroid hormone; Thyroxine; Triiodothyronine; Hypo- and hyperthyroidism; Tricyclic antidepressant; Norepinephrine; Amine uptake (Gordon, J.T. (626) 175)

Detyrosination
Hypothyroidism; Cerebellum; Tubulin; Tubulinyl-tyrosine carboxypeptidase; Molecular layer; Synaptogenesis (Poddar, R. (614) 233)

Developing neuron
Radiation; Neurogenesis; Corticospinal tract neuron (Ochiai, H. (603) 129)

Development
Opioid receptor; Nervous system; Enkephalin; Growth; Cerebellum; Brain; Zeta (ζ) receptor; Biochemistry; Protein chemistry (Zagon, I.S. (605) 50)

Rabbit; Brain; Insulin; Insulin-like growth factor; Receptor (Devaskar, S.U. (605) 101)

Hippocampus; Ischemia; Ultrastructure; Immunocytochemistry; Rat (Goodman, J.H. (606) 309)

Myelin; Undernutrition; Proteolipid protein; Myelin-associated glycoprotein; Basic protein (Royland, J.E. (607) 113)

N-Methyl-D-aspartate receptor; Rat; MK-801; Synaptic potential; Glutamate receptor (Kato, N. (608) 166)

Cocaine; Self-administration; Reinforcement; Stress; Emotional stress; Physical stress; Footshock; Rat (Ramsey, N.F. (608) 216)

Nerve growth factor; Blood–brain barrier; Plasma nerve growth factor (Fabian, R.H. (611) 46)

Norepinephrine; Spinal cord; Ontogenesis; 6-Hydroxydopamine; Adrenergic receptor; Rat (Simmons, K.E. (611) 222)

pH; Hippocampus; Anion exchange; Acid–base regulation; Neuron; Cell culture (Raley-Susman, K.M. (614) 308)

Inferior colliculus; Amplitude modulation; Kitten; Auditory system (Brugge, J.F. (615) 199)

Cerebellar cortex; Human; MK-801; CNQX; Glutamate receptor; Aging (Johnson, M. (615) 259)

Axon; Conduction; Dorsal column; GABA; Spinal cord (Sakatani, K. (622) 43)

Quisqualic acid; Seizure; Epilepsy; Glutamate; Excitatory amino acid; Spectral analysis (Holmes, G.L. (623) 325)

Somatostatin; Hypothalamic culture; Glial cell; Defined medium; Serum supplemented medium (Davidson, K. (624) 75)

Hypercorticosteronemia; Lactation; Hypothalamus-pituitary-adrenal axis; Spatial memory (Catalani, A. (624) 208)

Opioid receptor; Nervous system; Growth; Opioid growth factor; Brain; Zeta (ζ) receptor; Biochemistry; Antibody; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

Plasticity; Adrenoceptor; Visual cortex (Liu, Y. (632) 274)

Developmental
Sex difference; Stress-induced analgesia; Opioid analgesia; Non-opioid analgesia; Naloxone; 8-OH-DPAT; Predator-prey; Meadow vole (Saksida, L.M. (617) 214)

Developmental change
Brain rich; Neuron-specific; Immunocytochemical; Protein 14 kDa; Nerve terminal; Presynapse (Shibayama-Imazu, T. (622) 17)

Developmental disorder
Cytoskeleton; Dentate gyrus; Rearing condition (Siegel, S.J. (619) 299)

Dexamethasone
Mycoplasma; Tumor necrosis factor-α; Astrocyte; Corticosterone; Multiple sclerosis; AIDS dementia (Brenner, T. (608) 273)

Neuropeptide Y; Corticotropin-releasing factor; Feeding; Paraventricular nucleus; Ventromedial hypothalamus; α-Helical CRF_{9-41}; Rat (Heinrichs, S.C. (611) 18)

Dorsal hippocampus; Paraventricular nucleus; CRF-41; Corticosterone; Photic stimulation (Feldman, S. (614) 227)

Monoclonal antibody to CRF; Paraventricular nucleus; Ventromedial hypothalamus; Ricin A chain; Corticotropin-releasing factor radioimmunoassay; Food intake; Neuropeptide Y (Menzaghi, F. (618) 76)

Corticosteroid; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; RU 28362; RU 26752; Corticosterone (Jacobson, L. (625) 84)

Glucocorticoid; Cocaine; Kindling; Sensitization (Kling, M.A. (629) 163)

Dexmedetomidine
α_2 Adrenergic agonist; Ischemia, cerebral; Norepinephrine; Microdialysis; Rabbit (Matsumoto, M. (627) 325)

Dextrorphan
Ketamine; NMDA receptor; Hyperalgesia; Spontaneous pain; Neuropathic pain; Nerve injury (Mao, J. (605) 164)

DFMO
NMDA; Neurotoxicity; Glutamate; AIDS; D-Aspartate β-hydroxamate; Memantine; Anti-tumor (Lockhart, B.P. (630) 32)

Diabetes
Bladder; Diuresis; Hypertrophy (Nadelhaft, I. (609) 277)

Aging; Sympathetic; Neuroaxonal dystrophy; Diaphorase; Nitric oxide (Schmidt, R.E. (617) 343)

β-Endorphin; Antinociception; Naltrindole; DAMGO; U-50,488H; DPDPE; Mouse (Kamei, J. (619) 76)

Diabetes-associated peptide
Anorexia; Corpus striatum; Hypothalamus; 3-Methoxytyramine; Dopamine; Serotonin; Glucose; Calcitonin gene-related peptide (Chance, W.T. (607) 185)

Diabetes mellitus
Aging; Blood–brain barrier; Endothelial barrier antigen (Mooradian, A.D. (909) 41)

Diabetic coma
D-Glucose; GABA release; Norepinephrine release; Serotonin release; Acetylcholine release; $GABA_B$ receptor; Hyperglycemia (Fink, K. (618) 220)

Diacylglycerol
Inositol phosphate; Free fatty acid; Creatine phosphate; Adenosine 5′-triphosphate; Lithium; Cerebral ischemia (Lin, T.-A. (606) 200)

Kainic acid; Free fatty acid; Brain region; Seizure-related brain damage; Epilepsy (Birkle, D.L. (613) 115)

Schwann cell; Cell proliferation; Glial growth factor; Protein kinase C; Protein kinase inhibitor (Yoshimura, T. (617) 55)

Diacylglycerol lipase
N-Methyl-D-aspartate; Arachidonate; Calcium; Monoacylglycerol lipase (Farooqui, A.A. (604) 180)

Diagonal band of Broca
Norepinephrine; Vasopressin; Rat (Cunningham, J.T. (610) 152)

Alcohol; Acetylcholine; Barrel; Nucleus basalis; Dementia (Miller, M.W. (627) 104)

Dialysis
Dopamine; Prefrontal cortex; MK-801; Locomotor activity (Wędzony, K. (625) 333)

Diaminobenzidine
Nerve crush; Axoplasmic transport; Fluorescent tracer; Photoconversion; Ranvier's node; Axon–Schwann cell network (Persson, H.G. (630) 115)

Diaphorase
Diabetes; Aging; Sympathetic; Neuroaxonal dystrophy; Nitric oxide (Schmidt, R.E. (617) 343)

Diaphragm
Neuromuscular junction; Flexible microelectrode; Maturation; Respiratory failure (Bazzy, A.R. (600) 349)

Tonic activity; Radiated activity; Spinal origin; Respiratory pattern generator; Fetal lamb (Berger, P.J. (612) 299)

Diarrhea
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Aphagia; Salivation; Lacrimation; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Diazepam
Maturation; Age; Hexobarbital; EEG threshold; Rat; Tolerance development (Korkmaz, S. (600) 345)

Noradrenaline release; Hexachlorocyclohexane isomer; GABAergic convulsant agent; Hippocampal slice (Cristòfol, R.M. (606) 237)

Benzodiazepine receptor; Nitrazepam; Clonazepam; Ro5-4864; Calcium channel (Watabe, S. (606) 244)

$GABA_A$ receptor; Antinociception; Nucleus raphe magnus; Nucleus gigantocellularis pars alpha; Spinal cord; Bicuculline; Isoguvacine (McGowan, M.K. (620) 86)

Chlordiazepoxide; CL 218,872; Long-term potentiation; Hippocampus; Spatial learning; Morris water maze (McNamara, R.K. (626) 63)

Diazepam resistant
Anesthetic; Volatile; Halothane; Chloride channel; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive (DS); Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Diazepam sensitive
Anesthetic; Volatile; Halothane; Chloride channel; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Diazepam withdrawal
2-Deoxyglucose; Cerebral glucose utilization; Flumazenil; Set-point; Precipitated withdrawal; Spontaneous withdrawal; Withdrawal shift (Laurie, D.J. (631) 277)

Diazoxide
K_{ATP} channel; Cromakalim; Glibenclamide; Neuromuscular junction (Salgado, D. (609) 307)

Dibutyryl cAMP
Astrocyte; Endothelin; Glial process; Stellation (Koyama, Y. (600) 81)

Di-Calciphor
Cerebral ischemia; Neuroprotection; Prostaglandin B_1; Calpain (Lin, R.C.S. (606) 130)

2′,7′-Dichlorofluorescin diacetate
Ca^{2+} antagonist; Oxidative metabolism; Brain neuron; Ischemic brain damage (Oyama, Y. (610) 172)

DIDS
Chloride transport; Cerebrospinal fluid; Choroid plexus; Bumetanide; Acetazolamide; DPC; Rat (Preston, J.E. (624) 181)

Dietary protein
Thyroliberin; In situ hybridization; Thyroid axis (Shi, Z.-X. (606) 1)

Diethyldithiocarbamate
Zinc; Seizure; Epileptiform activity; Bursting; Hippocampal slice (Xu, H. (624) 162)

Differentiation
Astrocyte; Phosphoinositide response; Norepinephrine; α_1-Adrenergic receptor (Fahrig, T. (602) 318)

Opioid; Ca^{2+} channel; ω-Conotoxin; DADLE; NG108-15 (Jin, W. (607) 17)

Neuroblastoma; Neural crest; Neocarzinostatin (Lowengrub, J.A. (613) 123)

Locus ceruleus; Tissue culture; Norepinephrine; Insulin; Survival; Tyrosine hydroxylase (Sklair-Tavron, L. (614) 257)

Retroviral transduction; SV40 large T antigen; Neuronal cell line; Medullary raphe; Neurotrophin; Proto-oncogene trk (Whittemore, S.R. (615) 27)

Rolipram; PC12; cAMP (Akaike, N. (620) 58)

Neuroblastoma; GM_3 antibody; cAMP; $pp60^{c\text{-}src}$ (Chakraborty, M. (625) 197)

Neuropeptide Y; Brain; Culture; Glia; Astrocyte; Neuron (Barnea, A. (625) 313)

Differentiation factor
Ciliary neuronotrophic factor; Somatostatin; Ciliary ganglion; Chick; Cultured neuron; Choroid neuron (Smet, P.J. (609) 351)

Diffuse Lewy body disease
Lewy body; Neurofilament; Parkinson's disease (Pollanen, M.S. (603) 121)

Diffusion
Neonatal rat; NMDA; Brain damage; Excitotoxicity; Magnetic resonance imaging (Verheul, H.B. (618) 203)

Valproate; *trans*-2-en-Valproate; Antiepileptic drug; Cerebral cortex (Lücke, A. (631) 187)

α-Difluoromethylornithine
Hippocampus; CA1; Putrescine; γ-Aminobutyric $acid_A$; Ornithine decarboxylase (Ferchmin, P.A. (601) 95)

Digging
Hypothalamus; Rat; Cell body stimulation; γ-Aminobutyric acid; Attack; Gnawing; Feeding; Drinking (Roeling, T.A.P. (615) 121)

Dihydralazine
Tyrosine hydroxylase; Catecholaminergic area; Norepinephrine turnover rate; Rat brainstem (Schmitt, P. (611) 61)

Dihydropyridine
Calcium channel; Human neuroblastoma (SH-SY5Y); Single channel; Bay K 8644 (Reuveny, E. (603) 64)

Dihydropyridine L-type channel
Alzheimer's disease; Parkinson's disease; Huntington's disease; Calcium channel; Brain aging (Sen, A.P. (611) 216)

Dihydrostreptomycin
Hair cell; Mechano-electric transduction channel; Adaptation (Kimitsuki, T. (624) 143)

Dihydrotestosterone
Estrogen; Substance P; Sexual behavior (Akesson, T.R. (608) 319)

2,3-Dihydroxy-6-nitro-7-sulfamoylbenzo(f)quinoxaline
Glutamate; Spreading depression; Retina; Excitatory amino acid receptor; *N*-Methyl-D-aspartate receptor (Sheardown, M.J. (607) 189)

Dihydroxyphenyacetic acid
Methamphetamine; Dopamine; Neurotoxicity; Glycine; MK-801 (Layer, R.T. (625) 38)

3,4-Dihydroxyphenylacetic acid
Mouse; Sensitization; Apomorphine; Stress; Arousal; 3-Methoxytyramine; Homovanillic acid (Cabib, S. (604) 232)

α_2-Adrenoceptor; Hippocampus; Microdialysis; Norepinephrine; Sensitization; Stress (Nisenbaum, L.K. (608) 280)

Discrimination learning; Mult VI EXT reinforcement schedule; Mix VI EXT reinforcement schedule; Amygdala; Dopamine; Homovanillic acid; Microdialysis; Rat (Hori, K. (621) 296)

Raclopride; Quinelorane; Dopamine D_2 agonist; Dopamine (Eaton, M.J. (629) 53)

Brown adipose tissue; Microdialysis; Peptide; Norepinephrine; Serotonin; Noradrenaline (Shimizu, H. (630) 95)

L-β-3,4-Dihydroxyphenylalanine
Acetylcholine; Bromocriptine; Microdialysis; Parkinson's disease; Striatum (DeBoer, P. (608) 198)

5,7-Dihydroxytryptamine
Serotonin; Receptor; Hypothalamus; Autoradiography (Frankfurt, M. (601) 349)

8-OH-DPAT; Serotonin; Norepinephrine; Dopamine (Tian, Y. (607) 215)

Tryptophan hydroxylase; Aromatic L-amino acid decarboxylase; In situ hybridization; Enzyme activity; Serotonergic cell body and terminal (Park, D.H. (609) 59)

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Neurotoxicity; Glial fibrillary acidic protein; Microglia; Paroxetine; Immunoblot (Rowland, N.E. (624) 35)

Allylnitrile; *N*-(2-Chloroethyl)-*N*-ethyl-2-bromobenzylamine; Head twitching; 5-Hydroxytryptamine; Noradrenaline (Tanii, H. (626) 265)

DiI
Collision; Conduction velocity; Medulla; Refractory period; Reflex (Hempel, C.M.E. (617) 329)

Regeneration; Lipophilic tracer DiI; Tract tracing; Sensory system; Teleost; Topography; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

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Neurotransmitter release; Calcium channel; *R*-Prolinol; Ethanolamine (Bostwick, J.R. (629) 79)

DiMe-C7
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1-(2,5-Dimethoxy-4-iodophenyl)-2-aminopropane (DOI)
Spinal serotonin (5-HT) receptor; 8-Hydroxy-2-(di-*n*-propylamino)tetralin (8-OH-DPAT); Excitatory amino acid receptor agonist (Mjellem, N. (626) 78)

6,7-Dinitroquinoxaline-2,3-dione
Amphetamine; Morphine; Nucleus accumbens; Conditioned place preference (Layer, R.T. (617) 267)

1,3-Di-*o*-tolylguanidine
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Dipeptidyl peptidase II
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Diphenylpiperazine derivative Ca^{2+} antagonist
Voltage-dependent Ca^{2+} current; Central nervous system neuron; Oxidative metabolism; KB-2796; Flunarizine (Akaike, N. (619) 263)

Dipyridamole
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Regeneration; Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Electrotherapy; Electric field (Pomeranz, B. (603) 271)

Direct current potential
Spreading depression; Sustained potential; Hippocampus, CA1; Microdialysis; Glutamate receptor (Herreras, O. (610) 283)

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Direct projection
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Direct titration
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Discrete wave
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Discriminant function analysis
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Discrimination learning
Monosodium glutamate; Hippocampal degeneration; Rat (Kubo, T. (616) 311)

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Mult VI EXT reinforcement schedule; Mix VI EXT reinforcement schedule; Amygdala; Dopamine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid; microdialysis; Rat (Hori, K. (621) 296)

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Neuropeptide Y (NPY); NPY receptor; [Leu^{31},Pro^{34}]NPY; NPY 20–36; Drug discrimination; Food intake (Jewett, D.C. (631) 129)

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Cerebellum; Cell number; Neurostereology; Rat; Stereology; Toluene; Vertical section (Korbo, L. (609) 262)

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Disinhibition
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Disk shedding
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Dissociated neuron
Rat; Frontal cortex; Perforated patch; Ca^{2+} current; Ca^{2+} antagonist; ω-Conotoxin; Nicardipine (Ye, J.H. (606) 111)

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Associativity; Bicuculline; Disinhibition; Hippocampal slice; Stratum moleculare (Colbert, C.M. (606) 87)

Distribution
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Diurnal rhythm
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MK-801; Phencyclidine; Glutamate; GABA (Hönack, D. (620) 167)

Glutamate; GABA; NMDA; Excitotoxicity; Excitatory amino acid; Ischemia (Sakurai, S.Y. (625) 181)

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Rat; Cerebral ischemia; Endonuclease; Nucleus; Calcium; Gel electrophoresis (Tominaga, T. (608) 21)

DNA methylation
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DNA synthesis
Brain; Olfactory bulb; Insulin-like growth factor I; Basic fibroblast growth factor; protein synthesis (Werther, G.A. (617) 339)

Cell proliferation; G protein; Neural development; Opioid receptor; Phosphatidylinositol (Barg, J. (629) 109)

DNQX
t-ACPD; AMPA; AP-7; Blood pressure; Heart rate; Kainate; NMDA; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

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DOCA
Lateral hypothalamus; Hypertension; Norepinephrine; GABA; Salt diet (Sessler, F.M. (613) 259)

Dodging
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Dog
2-Deoxyglucose; Intracerebroventricular; Neuroglucopenia; Glucose metabolism; Protein metabolism; Insulin; Glucagon; Catecholamine (Molina, P.E. (614) 99)

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Passive avoidance; Opioid-binding; Quantitative autoradiography; Avian brain (Csillag, A. (613) 96)

Domperidone
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Kainic acid; Lesion; Aphagia; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

L-DOPA
MPTP; Memory; Norepinephrine; Dopamine; Olfactory bulb; Hippocampus; Parkinson's disease (Dluzen, D.E. (609) 98)

In vivo microdialysis; Striatum; Hippocampus; Dopamine synthesis; Dopamine release; Dopaminergic neuron (Mizoguchi, K. (611) 152)

Striatum; Glutamate; Release; Parkinson's disease; Transmitter; Rat (Goshima, Y. (617) 167)

Neurotoxicity; Microdialysis; Caudate-putamen; Sinemet; Methamphetamine (Weihmuller, F.B. (623) 303)

Dopamine; c-*fos*; Striatum; Dopamine D_1 receptor; Dopamine D_2 receptor (Morelli, M. (623) 334)

Dopamine receptor; MPTP; Autoradiography; Primate (Alexander, G.M. (625) 276)

L-DOPA / apomorphine
MPTP; Parkinsonism; Dopamine D_1 receptor; Dopamine D_2 receptor (Graham, W.C. (602) 290)

Dopamine
Norepinephrine; Serotonin; Inhibitory postsynaptic potential IPSP (Gellman, R.L. (600) 63)

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Recovery; Frontal cortex; Noradrenaline; Serotonin; Rat (De Brabander, J.M. (601) 20)

Addiction; Individual difference; Stress; Novelty; Locomotor activity; Nucleus accumbens; Microdialysis (Rougé-Pont, F. (602) 169)

Electromyography; Muscle tone; Reserpine; 6-Hydroxydopamine; Brain; Rat (Double, K.L. (604) 342)

Norepinephrine; Electrical stimulation; In vivo voltammetry; Voltage-sensitive calcium channel; Calcium antagonist (Mitchell, K. (604) 349)

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Repeated amphetamine; Sensitization; Microdialysis; Ventral tegmental area; Nucleus accumbens; Locomotion (Vezina, P. (605) 332)

Aging; Estrogen; Hormone; Sex difference; Corpus striatum (McDermott, J.L. (606) 118)

Acetylcholine; Choline; Electrical stimulation; Microdialysis; Neostigmine; Striatum (Farber, S.A. (607) 177)

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Aging; Ascorbate; In vivo voltammetry; Nucleus accumbens; Caudate-putamen; Frontal cortex; Rat (Svensson, L. (609) 36)

MPTP; Memory; Norepinephrine; L-DOPA; Olfactory bulb; Hippocampus; Parkinson's disease (Dluzen, D.E. (609) 98)

MPF; β-Endorphin 28–31; Parkinson's disease; Brain transplant (Ensor, D.M. (610) 166)

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Adenosine; Parkinson's disease; Rotational behavior; 6-Hydroxydopamine (Jiang, H. (613) 347)

Dopamine D_2 receptor; Rod outer segment; Retina; Rat (Vuvan, T. (614) 57)

Striatum; Nucleus accumbens; Electrical stimulation; Fast cyclic voltammetry; Brain slice (Davidson, C. (615) 229)

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Sexual behavior; Nucleus accumbens; Microdialysis (Wenkstern, D. (618) 41)

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Discrimination learning; Mult VI EXT reinforcement schedule; Mix VI EXT reinforcement schedule; Amygdala; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid; microdialysis; Rat (Hori, K. (621) 296)

Olfactory bulb; Norepinephrine; 6-Hydroxydopamine; Recognition; Habituation; Male rat; Testosterone (Guan, X. (622) 51)

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Ethanol self-administration; 6-Hydroxydopamine; Nucleus accumbens; Mesolimbic; Reinforcement (Rassnick, S. (623) 16)

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Methamphetamine; Dihydroxyphenyacetic acid; Neurotoxicity; Glycine; MK-801 (Layer, R.T. (625) 38)

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D-Amphetamine; Iprindole; Glutamate; In vivo microdialysis; Neurotoxicity (Nash, J.F. (627) 1)

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Ibogaine; D-Amphetamine; Nucleus accumbens; Striatum; Microdialysis (Glick, S.D. (628) 201)

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(+)-AJ 76; Cocaine; Amphetamine; Self-administration; Conditioned place preference; Rat (Richardson, N.R. (619) 15)

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Dopamine D_1 receptor
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Substantia nigra pars reticulata; Dopamine; Rodent; Amphetamine; SCH 23390; Sulpiride; Apomorphine; Striatonigral pathway (Yurek, D.M. (623) 56)

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Dopamine D_2 receptor
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MPTP; Parkinsonism; Dopamine D_1 receptor; L-DOPA/apomorphine (Graham, W.C. (602) 290)

Aging; Rat; Striatum; Dopamine receptor; Dopamine D_1 receptor; High-affinity state; Adenylate cyclase (May, T. (604) 106)

2-Deoxyglucose autoradiography; Regional cerebral glucose utilization; Dopamine D_1 receptor; Amphetamine; Basal ganglia (Trugman, J.M. (607) 270)

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Dopamine D_1/D_2 synergism; Dopamine D_1 receptor; Stereotypy; Independence; α-Methyl-*p*-tyrosine; Reserpine; 6-Hydroxydopamine (LaHoste, G.J. (611) 108)

Dopamine; Rod outer segment; Retina; Rat (Vuvan, T. (614) 57)

CCK-8/DA interaction; Rat; Posterior nucleus accumbens; Dopamine; Dopamine D_1 receptor; Behavior; Emotional and motivational state (Derrien, M. (617) 181)

Acetylcholine release; Hippocampus; Dopamine D_1 receptor; SKF 38393; LY 171555; Apomorphine; SCH 23390; Microdialysis (Imperato, A. (618) 341)

Striatum; Neonatal 6-hydroxydopamine; Glutamate decarboxylase; Preproenkephalin; mRNA (Soghomonian, J.-J. (621) 249)

MK-801; Microdialysis; Dopamine; Dopamine D_1 receptor; Striatum; Prefrontal cortex (Wędzony, K. (622) 325)

Dopamine; L-DOPA; c-*fos*; Striatum; Dopamine D_1 receptor (Morelli, M. (623) 334)

Apomorphine; Dopamine D_1 receptor; Electrophysiology; Ethanol; Microiontophoresis; Quinpirole; Single-unit extracellular recording (Shen, R.-Y. (624) 216)

Risperidone; Clozapine; Haloperidol; 5-HT_2 receptor (Schotte, A. (631) 191)

Dopamine metabolite
Acetaldehyde; Dopamine; Dyskinesia; Iminodipropionitrile; MPTP; Striatum (Fornai, F. (605) 93)

Alcohol; Opiate antagonist; Microdialysis; Serotonin; 5-HIAA (Benjamin, D. (621) 137)

Dopamine neuron
Substantia nigra; *N*-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline; Receptor reserve; Autoradiography; *R*(−)-*N*,*N*-Propylnorapomorphine (Cox, R.F. (613) 32)

Sensory deprivation; Odor deprivation; GABA; Olfactory marker protein (Baker, H. (614) 109)

Dopamine receptor
Aging; Rat; Striatum; Dopamine D_1 receptor; Dopamine D_2 receptor; High-affinity state; Adenylate cyclase (May, T. (604) 106)

Antidepressant; Adenylyl cyclase; β-Adrenoceptor; MK-801; NMDA receptor; Quinpirole (De Montis, M.G. (606) 63)

Vasopressin; Antidiuretic hormone; Prostaglandin; Adrenoreceptor; Meclofenamate; Phenylephrine; Angiotensin II; Brain (Yamaguchi, K. (607) 149)

Anti-peptide antiserum; Distribution; Rat (Ariano, M.A. (609) 71)

Aging; Neurotensin; Striatum; Nucleus accumbens; Haloperidol; Fischer 344; In situ hybridization (Dobie, D.J. (616) 105)

MPTP; Autoradiography; L-DOPA; Primate (Alexander, G.M. (625) 276)

Substance P; Striatum; Excitotoxin; Neuroprotection; Trophic factor (Sanberg, P.R. (628) 327)

Retina; Immediate-early gene; Cholinergic receptor; Glutamate receptor; *c-fos*; NGFI-A (Gudehithlu, K.P. (631) 77)

Dopamine release
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Ischemia; Reperfusion; Striatum; *N*-Methyl-D-aspartate receptor; Cardiac arrest (Werling, L.L. (606) 99)

Amphetamine; Estrogen; Ovariectomy; Castration; Stereotyped behavior; Quantitative microdialysis (Castner, S.A. (610) 127)

In vivo microdialysis; Striatum; Hippocampus; L-DOPA; Dopamine synthesis; Dopaminergic neuron (Mizoguchi, K. (611) 152)

Neurotensin; Acetylcholine release; Striatum; Presynaptic modulation (Töröcsik, A. (612) 306)

$GABA_B$; NMDA; AMPA; Kainate; Baclofen (Santiago, M. (628) 187)

Nucleus accumbens; Cholecystokinin; Local perfusion; Microdialysis; Freely moving rat (Ladurelle, N. (628) 254)

Intracerebral microdialysis; $GABA_A$ and $GABA_B$ receptors; Prefrontal cortex; Rat (Santiago, M. (630) 28)

Dopamine release in vivo
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Dopaminergic mesolimbic-mesocortical system
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Dopaminergic neuron
In vivo microdialysis; Striatum; Hippocampus; L-DOPA; Dopamine synthesis; Dopamine release (Mizoguchi, K. (611) 152)

Adrenocorticotrophin; Cortisol; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Parkinson's disease; Hypothalamus (Mizobuchi, M. (612) 319)

Dopaminergic neuronal system
Dyskinesia; Iminodipropionitrile; Ceruletide; Long-lasting effect; mRNA (Hirata, H. (604) 197)

Dopaminergic system
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Dopamine synthesis
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In vivo microdialysis; Striatum; Hippocampus; L-DOPA; Dopamine release; Dopaminergic neuron (Mizoguchi, K. (611) 152)

Dopamine transporter
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Cocaine; Human striatum; WIN 35428 (Little, K.Y. (628) 17)

Dopamine uptake
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Dopamine uptake inhibition
6-Hydroxydopamine; MPTP; Neuronal degeneration; BTCP; Neuroprotection; Morphology paramater (Cerruti, C. (617) 138)

Dopamine uptake site
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Dorsal cochlear nucleus
Transplantation; Lurcher mutant mouse; Purkinje cell; Migration (Dumesnil-Bousez, N. (622) 343)

Dorsal column
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Dorsal column nuclei
Regeneration; Plasticity; Dorsal horn; Cuneate nucleus; Primate (Florence, S.L. (601) 343)

Dorsal column nucleus
Primary afferent; Somatosensory; Topographical organization (Crockett, D.P. (603) 324)

Plasticity; Primary afferent; Somatosensory; Topographical organization; Metabolism (Crockett, D.P. (612) 41)

Dorsal hippocampus
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Kindled circuit; Amygdala; Piriform cortex; Frontal cortex (McIntyre, D.C. (615) 1)

Dorsal horn
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Regeneration; Plasticity; Dorsal column nuclei; Cuneate nucleus; Primate (Florence, S.L. (601) 343)

Morphine; Trigeminal; Thermoreception; Marginal zone; Antinociception (Mokha, S.S. (602) 205)

Glutamate; γ-Aminobutyric acid; Glycine; Benzodiazepine; *N*-Methyl-D-aspartate; Quisqualate; Substantia gelatinosa; γ-Aminobutyric $acid_A$; γ-Aminobutyric $acid_B$ (Albin, R.L. (604) 354)

Aspartate; Glutamate; Hyperalgesia (Sorkin, L.S. (607) 89)

Spinal cord; Lamina X; Nitric oxide; Nociception; c-*fos* (Lee, J.-H. (608) 324)

Receptor autoradiography; Serotonin; Substance P; Lamina 10; Dorsolateral funiculus (Bernau, N.A. (613) 106)

c-Fos; Somatotopy; Peripheral nerve injury; Tibial nerve; Peroneal nerve (Sugimoto, T. (621) 161)

Morphine; Trigeminal nucleus caudalis; Nociception (Mokha, S.S. (626) 318)

Glutamate; Substance P; Aspartate; Calcitonin gene-related peptide; Inflammation; Microdialysis; Lidocaine (Sluka, K.A. (627) 89)

Convergent neuron; Inhibitory control; Nociception (Cadden, S.W. (628) 65)

Dorsal motor nucleus
Phosphorylated neurofilament; Axotomy; Rat; Hypoglossal nucleus (Yamada, E. (612) 210)

Dorsal motor nucleus of the vagus
Electrophysiology; Brainstem slice; Nucleus tractus solitarii; Estradiol; Progesterone; Ovarian steroid (Tolchard, S. (609) 21)

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Dorsal motor nucleus of the vagus nerve
Substance P; Immunocytochemistry; Ontogeny; Nucleus tractus solitarii; Human fetus (Wang, L.G. (605) 9)

Dorsal raphe nucleus
Entorhinal cortex; Double-antigen immunohistochemistry; Hippocampus; Locus coeruleus; Neurofibrillary tangle; Paired helical filament (Duong, T. (603) 74)

Basal forebrain; Thalamus; Pedunculopontine tegmental nucleus; Acetylcholine; Serotonin; Immunohistochemistry; Retrograde labeling (Losier, B.J. (604) 41)

Suprachiasmatic nucleus; Co-graft; Immunocytochemistry; Serotonin; Vasopressin; Vasoactive intestinal polypeptide (Ueda, S. (605) 181)

In vitro recording; Glibenclamide; Gliquidone; Lemakalim; K(ATP) channel; Serotonin neuron; GABA (Haj-Dahmane, S. (614) 270)

8-OH-DPAT; Paroxetine; Bovine brain; Hippocampus; Receptor binding; Serotonin uptake site; Serotonin 5-HT_{1A} receptor (Sprouse, J.S. (617) 159)

Periaqueductal gray; Serotonin; Trigeminal nucleus; Orbital cortex; Nucleus accumbens; Amygdala; Rat (Li, Y.-Q. (623) 267)

5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Corticotropin-releasing factor; CRH; Metabolism; Gepirone; Serotonin 5-HT_{1A} receptor; Noise (Boadle-Biber, M.C. (628) 105)

Dorsal root ganglia
Calretinin; Calbindin D-28k; Herbst corpuscle; Muscle spindle; Rapid adaptation (Duc, C. (622) 321)

Calcium binding proteins; Calretinin; Spinal cord; Rat; Hybridization, in situ (Heppelmann, B. (624) 312)

Ovalbumin; Chicken; Neurofilament; Immunohistochemistry (Williams, R. (627) 354)

Dorsal root ganglion
Rat; Spinal cord; Cathepsin B; Cathepsin H; Cathepsin L; Calcitonin gene-related peptide; Immunocytochemistry; Co-localization (Taniguchi, K. (601) 143)

C-fiber; Membrane property; Morphology (Nagy, I. (609) 193)

Nerve growth factor receptor; Calcitonin gene-related peptide; Immunohistochemistry; Sensory neuron (Zhou, X.-F. (612) 322)

Calretinin; Carbonic anhydrase; Tachykinin; Trigeminal ganglion; Rat (Ichikawa, H. (617) 96)

Ethanol; Nerve growth factor; Trophic factor neuroprotection (Heaton, M.B. (620) 78)

Arginine; Nitric oxide; NADPH diaphorase; Citrulline; cGMP; Enteric plexus; Histochemistry (Aoki, E. (620) 142)

Axon reaction; Axotomy; Cell body; Phosphorylated neurofilament; Ola mice; Trophic; Wallerian degeneration (Gold, B.G. (626) 23)

Pyrethroid; Allethrin; Sodium channel; Tetrodotoxin; Insecticide (Ginsburg, K.S. (627) 239)

GAP-43; Regeneration; Unmyelinated fiber (Chung, K. (632) 80)

Dorsal root ganglion cell
Calcium-activated non-selective channel; Calcium activation; Phosphorylation (Razani-Boroujerdi, S. (623) 195)

Dorsal root ganglion neuron
Cholera toxin subunit A; Cholera toxin subunit B; Patch-clamp recording; Pertussis toxin; Opioid antagonist (Fan, S.F. (605) 214)

Dorsal striatum
Amygdala; Hippocampus; Hypothalamus; Ventral striatum; Frontal cortex; Corticosterone; Restraint stress; 6-Hydroxydopamine lesion; Dopamine (Casolini, P. (622) 311)

Dorsal tegmental nucleus
c-*fos*; Triazolam; Raphe nucleus; Suprachiasmatic nucleus; Superior colliculus; Edinger-Westphal nucleus; Serotonin (Cutrera, R.A. (602) 14)

Mammillary body; GABA; Ventral tegmental nucleus; Anterior tegmental nucleus (Wirtshafter, D. (630) 188)

Dorsal vagal complex
Anorexia nervosa; Vasopressin; Oxytocin; Dynorphin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Dorsal vagal motor nucleus
Potassium ion activity; Glial cell; Synaptic potential; Glutamate; Cholecystokinin; Tractus solitarius; Nucleus tractus solitarii (Ballanyi, K. (607) 99)

Dorsal vagal nucleus
Autonomic nervous system; Insulin regulation; Parasympathetic nervous system; Pseudorabies virus; Vagus nerve; Ventral medulla; Viral transneuronal labeling (Loewy, A.D. (620) 323)

Dorsolateral funiculus
Receptor autoradiography; Serotonin; Substance P; Dorsal horn; Lamina 10 (Bernau, N.A. (613) 106)

Dorsomedial hypothalamic nucleus
Brown adipose tissue; Ventromedial hypothalamic nucleus; Lateral hypothalamic area; Paraventricular nucleus; Preoptic area (Yoshimatsu, H. (601) 121)

Dorsomedial nucleus
Carbohydrate; Neuropeptide Y; Arcuate nucleus; Macronutrient; Paraventricular nucleus; Body weight; Feeding (Jhanwar-Uniyal, M. (631) 97)

Dose–response
Nicotine; Serotonin; Water maze; Passive avoidance; Alzheimer's disease (Riekkinen, M. (622) 139)

Double-antigen immunohistochemistry
Entorhinal cortex; Dorsal raphe nucleus; Hippocampus; Locus coeruleus; Neurofibrillary tangle; Paired helical filament (Duong, T. (603) 74)

Double immunolabeling
Corticotropin-releasing factor; Thyrotropin-releasing hormone; Synapse; Electron microscopy; Paraventricular nucleus; Hypothalamus; Rat (Hisano, S. (620) 343)

Double labeling
Nitric oxide synthase; Phenylethanolamine *N*-methyltransferase; Intermediolateral column; Ventral medullary surface (Iadecola, C. (603) 173)

γ-Aminobutyric acid; Substantia nigra; Dopamine; Immunohistochemistry; Nigrotectal neuron; Glutamic acid decarboxylase; Tyrosine hydroxylase (Mendez, I. (617) 274)

Down-regulation
Melatonin receptor; Suprachiasmatic nucleus; Pars tuberalis; G-protein; Quantitative autoradiography; Up-regulation; Melatonin (Gauer, F. (602) 153)

Down's syndrome
Trisomy 16; Action potential; Current; Hippocampus; Primary culture; Mouse; Patch-clamp (Galdzicki, Z. (604) 69)

DPC
Chloride transport; Cerebrospinal fluid; Choroid plexus; DIDS; Bumetanide; Acetazolamide; Rat (Preston, J.E. (624) 181)

DPDPE
Intracerebroventricular; Intrathecal; μ-Opiod; δ-Opiod; κ-Opioid; DAMGO; U50,488H; Synergy (Miaskowski, C. (608) 87)

Opioid receptor; Morphine; U-69593; Serotonin; Hippocampus; In vivo microdialysis; Rat (Yoshioka, M. (613) 74)

Opioid; Autoradiography; EKC; DAMGO; Avian; pCl-DPDPE; Junco; Hypothalamus; Feeding (Deviche, P. (614) 220)

Diabetes; β-Endorphin; Antinociception; Naltrindole; DAMGO; U-50,488H; Mouse (Kamei, J. (619) 76)

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D_2 receptor; M1 receptor; M2 receptor; Caudate nucleus; Putamen (Joyce, J.N. (600) 156)

Fos; Globus pallidus; D_2 receptor; Supersensitivity; Dopamine; Immediate–early gene (Marshall, J.F. (632) 308)

D_2 receptor
D_1 receptor; M1 receptor; M2 receptor; Caudate nucleus; Putamen (Joyce, J.N. (600) 156)

Fos; Globus pallidus; D_1 receptor; Supersensitivity; Dopamine; Immediate–early gene (Marshall, J.F. (632) 308)

Dreher mouse
Acetylcholinesterase; Ectopic pyramidal cell; Hippocampus; Dentate gyrus (Sekiguchi, M. (622) 203)

Drinking
Hypothalamus; Rat; Cell body stimulation; γ-Aminobutyric acid; Attack; Digging; Gnawing; Feeding (Roeling, T.A.P. (615) 121)

Drinking behavior
Sodium bicarbonate; Operant behavior; Sodium chloride; Specific hunger; Dispogenic response; Acute hypertonicity (Weisinger, R.S. (628) 166)

Driver potential
Cardiac ganglion; Burst-organizing potential; Tetraethylammonium ion; Barium; Crustacean; Lobster (Berlind, A. (609) 51)

Drosophila
L-Glutamate receptor; Stereoselectivity; Synaptic junction; Analogue (Chang, Y.-C. (604) 86)

Choline acetyltransferase; Amphiphilic; *Torpedo*; Rat (Salem, N. (609) 223)

Drug abuse
Striatum; Motor control; Retrograde transport (Van Bockstaele, E.J. (624) 188)

Drug discrimination
Neuropeptide Y (NPY); NPY receptor; [Leu^{31},Pro^{34}]NPY; NPY 20–36; Discriminative stimulus; Food intake (Jewett, D.C. (631) 129)

Drug-induced hyperthermia
Heat shock protein; Hippocampus; Methamphetamine; Mouse brain; Immunohistochemistry (Goto, S. (626) 351)

Drug of abuse
Dopamine; Locomotion; NMDA receptor (Wolf, M.E. (613) 291)

DSP-4
Serotonin receptor; 5,7-Dihydroxytryptamine; 6-Hydroxydopamine; Ibotenic acid; Kainic acid; Capsaicin; Rhizotomy (Kidd, E.J. (612) 289)

Hippocampus; Norepinephrine; Tyrosine hydroxylase; Biochemical compensation; Regeneration (Robinson, G.B. (614) 21)

Neurotoxin; Locus coeruleus; Noradrenergic neuron; Electrophysiology; Ca^{2+} spike (Magnuson, D.S.K. (628) 317)

DTG
Sigma; Dystonia; Movement; Red nucleus; Age; Receptor (Hemstreet, M.K. (627) 291)

Dye coupling
Electrotonic coupling; Neurosecretory cell; Crustacean (Alvarado-Alvarez, R. (613) 43)

Turtle; Retina; Horizontal cell; Network; Neurobiotin; Voronoi–Delaunay tiling; Mosaic (Ammermüller, J. (616) 351)

Dynorphin (1–13)
U-50,488H; Tolerance-dependence; Brain region; Pituitary; Spinal cord; Heart; Adrenal; Kidney (Bhargava, H.N. (600) 151)

Opioid; Tail-flick reflex; Hindlimb paralysis; Isobolographic analysis (Qu, Z.-X. (610) 340)

Anorexia nervosa; Vasopressin; Oxytocin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Dorsal vagal complex; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Hemorrhage; Central nervous system; Endogenous opioid peptide; Hypotension; Nucleus ambiguus (Samuels, S. (613) 54)

Anorexia nervosa; β-Endorphin; Exercise; Starvation; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

Spinal cord; Pregnancy; Analgesia (Medina, V.M. (623) 41)

Autotomy; Neuropathic pain; Nociception; Opioid; Peripheral neuropathy (Wagner, R. (629) 323)

Dynorphin A(2–17)
Nucleus tractus solitarii; Blood pressure; Hemorrhage (Fan, L. (623) 110)

Dynorphin A(1–13)
Basal forebrain lesion; Memory; Rat (Ukai, M. (625) 355)

Dyskinesia
Iminodipropionitrile; Ceruletide; Long-lasting effect; Dopaminergic neuronal system; mRNA (Hirata, H. (604) 197)

Acetaldehyde; Dopamine; Dopamine metabolite; Iminodipropionitrile; MPTP; Striatum (Fornai, F. (605) 93)

Dystonia
Sigma; DTG; Movement; Red nucleus; Age; Receptor (Hemstreet, M.K. (627) 291)

Dystrophic neurite
Alzheimer's disease; Huntington's disease; Parkinson's disease; Pick's disease; Neurodegenerative disease (Benzing, W.C. (606) 10)

E

Early learning
Odor preference formation; Olfactory bulb; Glomerulus; Glial fibrillary acidic protein; 2-Deoxyglucose; Immunohistochemistry (Matsutani, S. (613) 317)

Eating
Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

Feeding; Neuropeptide Y; Dopamine; Amphetamine; Hypothalamus; Perifornical hypothalamus; Neurotransmitter interactions (Gillard, E.R. (628) 128)

Cholecytokinin; Cerebrospinal fluid; Spinal cord; Glucose; Depression; Alcoholism; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; KA; AMPA; NMDA (Stanley, B.G. (630) 41)

Eating behavior
Hypothalamus; Neuropeptide Y; Mapping; Perifornical hypothalamus; Nanoliter injection (Stanley, B.G. (604) 304)

Ectopic firing
Action potential; Periaxonal space; Potassium channel; 4-Aminopyridine; Tetraethylammonium; Positive symptom (Kapoor, R. (611) 165)

Nerve injury; Neuroma; Pain; Sprouting (Amir, R. (630) 283)

Ectopic pyramidal cell
Acetylcholinesterase; Hippocampus; Dentate gyrus; Dreher mouse (Sekiguchi, M. (622) 203)

Edema
Brain trauma; Steroid hormone; Tissue water content; Sex difference (Roof, R.L. (607) 333)

Blood–nerve barrier; Galactose neuropathy; Permeability-surface area product (Mizisin, A.P. (618) 109)

Inflammation; Neutrophil; Rat; Sigma receptor; Spinal cord injury; Vascular permeability (Qu, Z.-X. (626) 45)

Edinger–Westphal efferent
Phaseolus vulgaris-leucoagglutinin; Anterograde tracing; Electron microscopy (Kloos-ter, J. (632) 260)

Edinger–Westphal nucleus
c-*fos*; Triazolam; Raphe nucleus; Suprachiasmatic nucleus; Superior colliculus; Dorsal tegmental nucleus; Serotonin (Cutrera, R.A. (602) 14)

Parvalbumin; Calbindin-D_{28k}; Calcium-binding protein; Accommodation; Pupilloconstriction; Ciliary ganglion (Fujii, J.T. (605) 200)

EEG
Experimental epilepsy; Epileptic focus; Interictal spike; Discharge pattern; Penicillin (Dorn, T. (616) 303)

High pressure neurological syndrome; Primate; CGP 39551; NMDA receptor; Behavioral observation (Pearce, P.C. (622) 177)

Nicotine; Spike wave discharge; High voltage spindle; High-voltage spindle; Mecamylamine; Cotinine; Rat (Radek, R.J. (625) 23)

EEG threshold
Maturation; Age; Hexobarbital; Diazepam; Rat; Tolerance development (Korkmaz, S. (600) 345)

Effect on membrane current
Toosendanin; Motor nerve terminal; Perineurial recording; Transmitter release; Calcium channel; Potassium channel (Xu, Y. (631) 46)

Efferent neuron
Tactile stimulus; Eversion; Pneumostome opening; Snail (Kemenes, G. (612) 16)

EGF receptor
Immunocytochemistry; Hippocampus (Tucker, M.S. (631) 65)

Eicosanoid
Cerebral ischemia; Microdialysis (Patel, P.M. (614) 315)

Eimeria vermiformis
Parasite; Opioid analgesia; Multiple opioid systems; μ Opioid; δ Opioid; κ Opioid; Parasite modifications of host behavior (Kavaliers, M. (623) 316)

EKC
Opioid; Autoradiography; DAMGO; DPDPE; Avian; pCl-DPDPE; Junco; Hypothalamus; Feeding (Deviche, P. (614) 220)

Electrical coupling
Calcium channel; Burst; Plateau potential; Synapse; Lobster; Crustacea (Zirpel, L. (617) 205)

Electrical kindling
Wet-dog shake; Methionine-enkephalin kindling; Kindling stage; Amygdala (Tanaka, T. (604) 149)

Electrical stimulation
In vivo voltammetry; Fast-scan cyclic voltammetry; Dopamine; Intracranial self-stimulation; Uptake inhibition; Nomifensine (Young, S.D. (600) 305)

Dopamine; Norepinephrine; In vivo voltammetry; Voltage-sensitive calcium channel; Calcium antagonist (Mitchell, K. (604) 349)

Noradrenaline; Fast cyclic voltammetry; Bed nucleus of stria terminalis; Brain slice; Autoreceptor (Palij, P. (607) 134)

Acetylcholine; Choline; Dopamine; Microdialysis; Neostigmine; Striatum (Farber, S.A. (607) 177)

Dopamine; Striatum; Nucleus accumbens; Fast cyclic voltammetry; Brain slice (Davidson, C. (615) 229)

Lateral lemniscus; Medulla; Pons; Conduction time (Yeomans, J.S. (617) 320)

Acetylcholine; Choline; Microdialysis; Anesthetized rat; Neostigmine; Striatum (Marshall, D.L. (629) 269)

Fos; c-*fos*; Femoral nerve; Somatosympathetic reflex; Fos-like immunoreactivity (McKitrick, D.J. (632) 127)

Electric field
Regeneration; Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Electrotherapy; Direct current (Pomeranz, B. (603) 271)

Electrochemical detection
Dopamine; Lateral olivocochlear system; Noise stimulus; Cochlea; High-performance liquid chromatography; Rat (Gil-Loyzaga, P. (623) 177)

Electroconvulsive shock
Morphine; Tolerance; Arginine vasopressin; Amnesia; Brain ischemia; Hypoxia; Scopolamine (Sugimachi, N. (609) 93)

Electroconvulsive shock-induced seizure
Quantitative cytochrome oxidase histochemistry; Metabolic mapping; Seizure (Nobrega, J.N. (605) 1)

Electroconvulsive stimulation
Long-term potentiation; Hippocampus; Memory; Depressive illness (Stewart, C. (620) 139)

Electroencephalogram
Catheterization; Continuous intravenous infusion; Brain temperature; Food intake; Water intake (Takahata, R. (623) 65)

Electroencephalography
Neurosteroid; Pregnenolone; Human sleep; Hormone secretion (Steiger, A. (615) 267)

Electrolyte
Brain solute; Glutamate; Hyponatremia; Osmolyte; Osmoregulation; Volume regulation (Verbalis, J.G. (606) 19)

Electrolytical lesion
Morphine dependence; Locus ceruleus; Methylnaloxonium; Intracerebroventricular (Maldonado, R. (605) 128)

Electrolytic lesion
Medial geniculate nucleus; Heart rate conditioning; Acoustic thalamus; Ibotenic acid lesion; Rabbit (McCabe, P.M. (619) 291)

Electromyogram
Regeneration; Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Age; Transcutaneous stimulation (Campbell, J.J. (603) 264)

Electromyography
Muscle tone; Reserpine; 6-Hydroxydopamine; Dopamine; Brain; Rat (Double, K.L. (604) 342)

Perioral reflex; Orbicularis oris; Active force; Mechanical stimulation; Skin contactor; Infant; Child; Adult (Barlow, S.M. (623) 181)

Electron microscope
Prelimbic cortex; Anterograde degeneration; Horseradish peroxidase; Rat (Kuroda, M. (612) 339)

Electron microscopic immunocytochemistry
Dopamine β-hydroxylase; Phenylethanolamine *N*-methyltransferase; Dentate gyrus; Entorhinal cortex; Hippocampal formation; Transgenic mice (Arai, R. (621) 141)

Electron microscopy
Glutamate; Immunocytochemistry; Supraoptic nucleus; Vasopressin; Neuroendocrine; Hypothalamus; Rat (Meeker, R.B. (600) 112)

Vasopressin; Ventrolateral medulla; Arterial blood pressure; Hemorrhage (Gómez, R.E. (604) 90)

Immunocytochemistry; Dendrite; Striatum (Rajakumar, N. (607) 47)

Protein kinase C; ϵ-Subspecies (Saito, N. (607) 241)

Rat; Neuron; Protein sorting; Virus; Polarity (Dotti, C.G. (610) 141)

Monoamine oxidase A; Monoamine oxidase B; Monoclonal antibody; Regional brain localization; Cellular distribution; Intracellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry (Westlund, K.N. (612) 221)

Suprageniculate nucleus; Fastigial nucleus; Direct projection; WGA-HRP; Light microscopy; Cat (Katoh, Y.Y. (617) 155)

Cortical area V1; Nitric oxide synthase; Immunocytochemistry; Cytochrome oxidase; Activity dependence (Aoki, C. (620) 97)

Corticotropin-releasing factor; Thyrotropin-releasing hormone; Synapse; Double immunolabeling; Paraventricular nucleus; Hypothalamus; Rat (Hisano, S. (620) 343)

Calcitonin gene-related peptide; Substance P; Trigeminal ganglion; Pericellular arborization; Monkey (Prins, M. (629) 315)

WGA-HRP; Cortex; Thalamus (Williamson, A.M. (631) 175)

Edinger–Westphal efferent; *Phaseolus vulgaris*-leucoagglutinin; Anterograde tracing (Klooster, J. (632) 260)

Electron probe X-ray microanalysis
Acrylamide; Neurotoxicity; Nerve cell; Schwann cell; Element; Axon (LoPachin, R.M. (608) 238)

Electron spin resonance
Hypoxia; Brain; Mouse; Neonate; Free radical (Hasegawa, K. (607) 161)

Ischemia; Ischemia/reperfusion injury; Free radical; Spin trap; Oxypurinol (Phillis, J.W. (628) 309)

Electrophysiological property
Immune mediator; Glial cell; Membrane potential (Köller, H. (612) 28)

Electrophysiological recording
Vestibular dysfunction; Semicircular canal; Calcium ionophore A23187; Calcium reduction (Aubert, A. (607) 301)

Electrophysiology
Rat hippocampal slice; CA1; δ Opioid receptor; μ Opioid receptor; Population spike (Watson, G.B. (601) 129)

Lactation; Pregnancy; Oxytocin receptor; In vitro slice; Limbic system; Maternal behavior; Milk ejection (Ingram, C.D. (602) 325)

Circadian rhythm; Entrainment; Retinohypothalamic tract; Suprachiasmatic nucleus; Glutamate (Meijer, J.H. (603) 284)

Ciliary neurotrophic factor; Peripheral nerve; Conduction velocity; Neuropeptide; Rat (Apfel, S.C. (604) 1)

Intracellular; Central amygdaloid nucleus; Accommodation; Afterhyperpolarization; In vitro; Current clamp (Schiess, M.C. (604) 283)

Ca^{2+} current; Somatotroph; Growth hormone; Acromegaly; Patch-clamp (Chen, C. (604) 345)

Median preoptic nucleus; Paraventricular nucleus; Neural connection; Baroreceptor; Blood pressure control (Tanaka, J. (605) 338)

Tectal transplant; Cortical transplant; Functional reinnervation; Visual topography (Girman, S.V. (607) 167)

Brainstem slice; Nucleus tractus solitarii; Estradiol; Progesterone; Dorsal motor nucleus of the vagus; Ovarian steroid (Tolchard, S. (609) 21)

Paraventricular nucleus; Corticotropin-releasing factor; 8-OH-DPAT; Serotonin 5-HT_{1A} receptor (Saphier, D. (615) 7)

A1 catecholamine-synthesizing neuron; Abdominal vagus; Vasopressin; Ventrolateral medulla (Gieroba, Z.J. (616) 181)

Cholecystokinin; Paraventricular nucleus; Tuberoinfundibular neuron; Rat (Jin, Y. (617) 151)

Brain slice; Morphology; Neurokinin; Sensory system; Taste; Whole-cell recording (King, M.S. (619) 120)

Granule cell; Cerebellum (Huang, C.-m. (619) 313)

Hippocampus; Brain slice; Adaptation; Epilepsy; Surgery; Inhibition (Williamson, A. (622) 194)

Cells-per-track; Depolarization–inactivation; Ethanol; Intubation; Single-unit extracellular recording (Shen, R.-Y. (622) 289)

Apomorphine; Dopamine D_1 receptor; Dopamine D_2 receptor; Ethanol; Microiontophoresis; Quinpirole; Single-unit extracellular recording (Shen, R.-Y. (624) 216)

Kindling; Epilepsy; Piriform cortex; Perirhinal cortex; Amygdala; In vitro preparation (McIntyre, D.C. (624) 268)

Excitatory amino acid; L-Glutamate; *N*-Methyl-D-aspartic acid; Ventral tegmental area; Brain slice (Wang, T. (627) 299)

Long-term depression; Tetanization; Hippocampus; Inhibition; Kindling; Epileptogenesis; GABA (Merlin, L.R. (627) 330)

Cytokine; Excitatory postsynaptic potential; HIV-1 associated dementia; Interleukin-1β; Learning and memory; Synaptic transmission (Bellinger, F.P. (628) 227)

Neurotoxin; DSP-4; Locus coeruleus; Noradrenergic neuron; Ca^{2+} spike (Magnuson, D.S.K. (628) 317)

Current source density analysis; Posterior cingulate cortex; Rat; Slice; Subiculum (Hedberg, T.G. (632) 239)

Electrotherapy
Regeneration; Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Direct current; Electric field (Pomeranz, B. (603) 271)

Electrotonic coupling
Dye coupling; Neurosecretory cell; Crustacean (Alvarado-Alvarez, R. (613) 43)

Electrotonic transmission
Dopamine; Mixed synapse; Lobster; Stomatogastric ganglion; Modulation (Johnson, B.R. (625) 159)

Element
Acrylamide; Neurotoxicity; Nerve cell; Schwann cell; Electron probe X-ray microanalysis; Axon (LoPachin, R.M. (608) 238)

Elevation of seizure threshold
Kindled seizure; Substantia innominata; Amygdala; Procaine; Ipsilateral hemiconvulsive seizure (Mori, N. (610) 344)

Eliprodil
Brain trauma; Neuroprotection; NMDA receptor (Toulmond, S. (620) 32)

El mouse
Epilepsy; Generalization; Parietal cortex; Hippocampus; Depth EEG (Ishida, N. (608) 52)

Embryonic transplant
Axon growth; Adult spinal cord; Fiber tract; Regeneration; Myelin (Li, Y. (629) 115)

Emesis
Excitotoxin; Kainic acid; Immunohistochemistry; Fink–Heimer (silver) degeneration; c-fos; GFAP; Seafood (Scallet, A.C. (627) 307)

Emotional and motivational state
CCK-8/DA interaction; Rat; Posterior nucleus accumbens; Dopamine; Dopamine D_1 receptor; Dopamine D_2 receptor; Behavior (Derrien, M. (617) 181)

Emotional stress
Cocaine; Self-administration; Reinforcement; Development; Stress; Physical stress; Footshock; Rat (Ramsey, N.F. (608) 216)

E1 mouse
Epilepsy; Quinolinic acid; Excitotoxin (Nakano, K. (619) 195)

Endocrine system
p34^{cdc2}; *cdc2* kinase; cdc2-related protein kinase; Nucleolus; Nervous system; Immunohistochemistry (Ino, H. (614) 131)

Endocytosis
Astrocyte; Immunoelectron microscopy; mRNA transport; Neurohypophysis; Neuron-glia interaction; Neurosecretion; Phagocytosis (Boersma, C.J.C. (611) 117)

Endogenous acetylcholine release
Striatum; Quinolinate excitotoxicity; Tachykinin; Glutamate (Arenas, E. (603) 317)

Endogenous analgesia system
Microdialysis; Pain; Aspartate; Glutamate; Glycine; Serotonin; Monoamine; Spinal cord (Sorkin, L.S. (618) 95)

Endogenous codeine
Endogenous morphine; Indirect immunofluorescence; PAP immunoreaction; Microautoradiography (Bianchi, E. (627) 210)

Endogenous expression
Circadian rhythm; Immediate early gene; Ganglion cell layer; Suprachiasmatic nucleus; Light induction; Phase shift (Chambille, I. (612) 138)

Endogenous morphine
Endogenous codeine; Indirect immunofluorescence; PAP immunoreaction; Microautoradiography (Bianchi, E. (627) 210)

Endogenous opioid
Gonadotropin-releasing hormone; Luteinizing hormone-releasing hormone; Aging; Superfusion; Naloxone; Luteinizing hormone; Estrous cyclicity (Rubin, B.S. (601) 246)

Opiate receptor; Sympathetic ganglion; Synapse (Zhang, C. (622) 211)

Endogenous opioid peptide
Hemorrhage; Dynorphin; Central nervous system; Hypotension; Nucleus ambiguus (Samuels, S. (613) 54)

Endogenous opioid system
Polyarthritic rat; Vocalization threshold; Paw pressure; Naloxone; Naltrindole; MR-2266 (Cattaneo, I. (623) 201)

Endogenous pyrogen
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Endoneurial capillary
Regeneration; Sciatic nerve; Rat; Nerve crush (Podhajsky, R.J. (623) 117)

Endonuclease
DNA fragmentation; Rat; Cerebral ischemia; Nucleus; Calcium; Gel electrophoresis (Tominaga, T. (608) 21)

Endopiriform nucleus
Epilepsy; Piriform cortex; Amygdala; Afterdischarge (Wahnschaffe, U. (615) 295)

β-Endorphin 28–31
MPF; Parkinson's disease; Dopamine; Brain transplant (Ensor, D.M. (610) 166)

Diabetes; Antinociception; Naltrindole; DAMGO; U-50,488H; DPDPE; Mouse (Kamei, J. (619) 76)

Anorexia nervosa; Dynorphin; Exercise; Starvation; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

Endothelial barrier antigen
Aging; Diabetes mellitus; Blood–brain barrier (Mooradian, A.D. (909) 41)

Endothelial cell
Glucocorticoid; Angiogenesis; Glioma; Protease (Wolff, J.E.A. (604) 79)

Epidermal growth factor receptor; Dementia; Alzheimer's disease; Vasculature; Blood–brain barrier; Pituitary; Epidermis (Styren, S.D. (615) 181)

Astrocyte; Blood–brain barrier; Human; In vitro model (Hurwitz, A.A. (625) 238)

Endothelin
Astrocyte; Glial process; Dibutyryl cAMP; Stellation (Koyama, Y. (600) 81)

Thrombin; Primary astrocyte; Endothelin receptor; Inositolphospholipid turnover; AP1; Reverse transcriptase PCR (Ehrenreich, H. (600) 201)

Endothelin receptor
Thrombin; Primary astrocyte; Endothelin; Inositolphospholipid turnover; AP1; Reverse transcriptase PCR (Ehrenreich, H. (600) 201)

Endothelium
Interleukin-1; Hypothalamus; Pig; Neuron; Glia (Molenaar, G.J. (608) 169)

Peptide; Cerebral; Vascular (Loesch, A. (611) 333)

Endothelium-derived relaxing factor
Nitric oxide; *N*-Nitro-L-arginine methyl ester; Cerebral blood flow; Hypoxia; Hypercapnia; Hypotension (Buchanan, J.E. (610) 248)

Nitric oxide; In vivo spin-trapping; Cryogenic electron paramagnetic resonance; Focal ischemia; Nitric oxide synthase inhibitor (Tominaga, T. (614) 342)

Regional cerebral blood flow; Spreading cortical depression; Nitric oxide; Rat (Duckrow, R.B. (618) 190)

Endotoxin
Interleukin-6; Tumor necrosis factor; Interleukin-1; Fever mechanism; Blood–brain barrier (Coceani, F. (612) 165)

Prostaglandin E_2; Brain microvasculature; Choroid plexus; Paraventricular and supraoptic nucleus (Van Dam, A.-M. (613) 331)

Interleukin-1β; Organum vasculosum laminae terminalis; Fever and in situ hybridization (Nakamori, T. (618) 155)

Interleukin-1; Interleukin-1 receptor antagonist; LiCl; Hyperalgesia (Maier, S.F. (623) 321)

Tumor necrosis factor; Interleukin-1; Interleukin-6; Interleukin-1 receptor antagonist; Brain; Rat (Gatti, S. (624) 291)

Energy
Adenosine; Purine; Brain cortex; Circadian rhythm; Sleep–wake cycle (Chagoya de Sánchez, V. (612) 115)

Hippocampus; In vitro; Epilepsy; Lactate; Depolarization; Neuroprotection (Stittsworth Jr., J.D. (630) 21)

Energy balance
Paraventricular nucleus of the hypothalamus; Somatostatin; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Energy depletion
Ischemia; Calcium; Excitatory amino acid (Kim-Lee, M.H. (613) 156)

Energy expenditure
Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Energy metabolism
Glucose; Lactate; Hypoxia; Hippocampus; Ion transport; Oxidative phosphorylation (Roberts Jr., E.L. (620) 251)

Aminooxyacetic acid; Excitotoxicity; Glutamate; Metabotropic; NMDA; Neonatal rat brain (McDonald, J.W. (624) 239)

Cerebellar granule cell; Dendrite; Glucose; Neuron; Ouabain; Potassium (Peng, L. (629) 331)

Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Rat (Atrens, D.M. (630) 238)

Enhancement
Serotonin; Discrete wave; Photoreceptor; *Hermissenda*; Poisson process (Crow, T. (628) 305)

Enkephalin
Opioid receptor; Nervous system; Growth; Development; Cerebellum; Brain; Zeta (ζ) receptor; Biochemistry; Protein chemistry (Zagon, I.S. (605) 50)

Immunocytochemistry; Mollusc; *Cepaea nemoralis* (Sakharov, D. (620) 114)

Neuropeptide; Opioid; Cat; Visual cortex; Monoclonal antibody; Immunohistochemistry (Gu, Q. (620) 155)

Aging; Brain; Human; Leu-enkephalin; Met-enkephalin; Opioid (Rinne, J.O. (624) 131)

Acetylcholine; Nicotinic receptor; Retina; Chick; Release; Atropine; Tubocurarine (Boelen, M.K. (624) 137)

Enkephalinase
Neutral endopeptidase 24.11; Transplantation; Glial fibrillary acidic protein; Cortex; Ventral mesencephalon; CALLA; Transforming growth factor α (Back, S.A. (612) 85)

Ensheathing cell
Olfactory bulb; Cell culture; Neonatal rat; Immunohistochemistry; Ultrastructure (Chuah, M.I. (601) 213)

Astrocyte; Glial maturation; Retinal ganglion neuron; SV40 large T antigen; Retroviral vector (Goodman, M.N. (619) 199)

Enteric plexus
Arginine; Nitric oxide; NADPH diaphorase; Citrulline; cGMP; Dorsal root ganglion; Histochemistry (Aoki, E. (620) 142)

Entorhinal cortex
Isolated brain in vitro; Long-term potentiation; NMDA receptor (De Curtis, M. (600) 327)

Dorsal raphe nucleus; Double-antigen immunohistochemistry; Hippocampus; Locus coeruleus; Neurofibrillary tangle; Paired helical filament (Duong, T. (603) 74)

Dopamine β-hydroxylase; Phenylethanolamine *N*-methyltransferase; Dentate gyrus; Hippocampal formation; Transgenic mice; Electron microscopic immunocytochemistry (Arai, R. (621) 141)

Entorhinal cortex lesion
PDBu binding; Protein kinase C; Synaptic plasticity; Hippocampus (Parent, A. (607) 23)

Entrainment
Circadian rhythm; Retinohypothalamic tract; Suprachiasmatic nucleus; Glutamate; Electrophysiology (Meijer, J.H. (603) 284)

Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; Ontogeny; Circadian; Neuropeptide; Rat; Hamster; Prenatal (Robinson, M.L. (605) 271)

Aging; Circadian; Clock; Rhythm; Activity; Benzodiazepine; Sleep; Arousal (Van Reeth, O. (607) 286)

Reserpine; Catecholamine; Serotonin; Aging (Penev, P.D. (612) 156)

Circadian rhythm; Photoperiod; Light; Melatonin; Human (Illnerová, H. (626) 322)

Hamster; Intergeniculate leaflet; Photic response; Serotonin; Melatonin; 5-HT receptor; Microiontophoresis (Ying, S.-W. (628) 8)

Entropy
Purkinje cell; Recurrent collateral; Inhibition; Cerebellum; New-born rat; System analysis; Cooperativity (Bernard, C. (626) 234)

Environment
Somatostatin; Rat; Cortex; mRNA; Northern blot; Behavior (Nilsson, L. (628) 93)

Enzyme activity
Tryptophan hydroxylase; Aromatic L-amino acid decarboxylase; In situ hybridization; 5,7-Dihydroxytryptamine; Serotonergic cell body and terminal (Park, D.H. (609) 59)

Enzyme immunoassay
Circadian rhythm; Suprachiasmatic nucleus; Somatostatin; Peptide regulation; Light–dark cycle; Free-running rhythm; Rat (Fukuhara, C. (606) 28)

Suprachiasmatic nucleus; Substance P; Rat; Circadian rhythm; Retinohypothalamic tract (Otori, Y. (619) 271)

Enzyme-linked immunoassay
Nerve growth factor; Fibroblast growth factor; Brain injury; Human; PC12; Neurotrophic (Patterson, S.L. (605) 43)

Ependyma
Carboxypeptidase E/H; Peptidylglycine α-amidating monooxygenase; Furin; Transthyretin; Choroid plexus; Chromogranin (Gee, P. (617) 238)

[^{125}I]Epidepride
Dopamine D_2 receptor; Limbic D_2 receptor; Thalamic D_2 receptor; Cortical D_2 receptor; Extrastriatal D_2 receptor; Human brain post mortem study (Kessler, R.M. (609) 237)

Epidermal growth factor receptor
Dementia; Alzheimer's disease; Endothelial cell; Vasculature; Blood–brain barrier; Pituitary; Epidermis (Styren, S.D. (615) 181)

Parkinson's disease; Autoradiography; Catecholaminergic cell group (Villares, J. (628) 72)

Epidermis
Epidermal growth factor receptor; Dementia; Alzheimer's disease; Endothelial cell; Vasculature; Blood–brain barrier; Pituitary (Styren, S.D. (615) 181)

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α-Adrenergic receptor; Locus ceruleus (Razani-Boroujerdi, S. (600) 181)

Seizure; CA1; Facilitation; Pyramidal cell (Bekenstein, J. (601) 111)

Transplantation; Hippocampus; Kindling (Miyamoto, O. (603) 143)

Bicuculline; Convulsion; Substantia nigra; Deep prepiriform cortex; Deep layer of superior colliculus (Gale, K. (603) 279)

Kindling; Synapse; Brain slice; Spine synapse; Hippocampal subfield CA1 (Chang, F.-L.F. (603) 302)

Kindling; Ultrastructure; Astrocyte; Synaptic morphology; Hippocampal subfield CA1; Spine synapse (Hawrylak, N. (603) 309)

Deoxyglucose; Autoradiography; Body temperature regulation; Pineal gland; Subfornical organ; Median eminence; Hypothalamus; Vasopressin (Gross, P.M. (606) 135)

El mouse; Generalization; Parietal cortex; Hippocampus; Depth EEG (Ishida, N. (608) 52)

Kindling; Pentylenetetrazol; Spreading depression; Slow potential; Rat (Koroleva, V.I. (608) 107)

Hippocampus; Kainic acid; Plasticity; Sprouting (Sundstrom, L.E. (609) 321)

Kindling; Circadian; Adrenalectomy (Weiss, G. (612) 354)

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Kainic acid; Free fatty acid; Diacylglycerol; Brain region; Seizure-related brain damage (Birkle, D.L. (613) 115)

Piriform cortex; Endopiriform nucleus; Amygdala; Afterdischarge (Wahnschaffe, U. (615) 295)

Neuroimmunology; Microglia; Free radical; Reactive oxygen intermediate (Müller, M. (619) 157)

Quinolinic acid; E1 mouse; Excitotoxin (Nakano, K. (619) 195)

Hippocampus; Brain slice; Adaptation; Electrophysiology; Surgery; Inhibition (Williamson, A. (622) 194)

Quisqualic acid; Seizure; Glutamate; Excitatory amino acid; Development; Spectral analysis (Holmes, G.L. (623) 325)

5α-Pregnan-3α-ol-20-one; Progesterone; Anticonvulsant; Phenobarbital; Immunocytochemistry (Taubøll, E. (623) 329)

Kindling; Amygdala; Piriform cortex; Perirhinal cortex; Rat; Neural plasticity; Unit (Teskey, G.C. (624) 11)

Substance P; Kainic acid; Neurotoxicity; Excitatory amino acid; Wet dog shake (Velázquez, R.A. (624) 109)

Kindling; Piriform cortex; Perirhinal cortex; Amygdala; In vitro preparation; Electrophysiology (McIntyre, D.C. (624) 268)

Kindling; Experimental seizure; Animal model (Bertram, E.H. (625) 295)

Penicillin; Pentylenetetrazol; Calcium channel blocker; Verapamil (Köhling, R. (626) 149)

Fibroblast growth factor; Seizure; Cell death; Kainic acid; Excitotoxicity; Chronic infusion (Liu, Z. (626) 335)

Hippocampus; In vitro; Lactate; Depolarization; Energy; Neuroprotection (Stittsworth Jr., J.D. (630) 21)

Hypoxia-ischemia; Rat; Perinatology; Cerebral cortex; Glutamic acid decarboxylase; γ-Aminobutyric acid; Immunofluorescence; Confocal laser scanning microscopy (Romijn, H.J. (630) 315)

Kindling; CCK; Ceruletide (Yamamoto, Y. (630) 353)

Glia; Astrocyte; GFAP; Hippocampus; Seizure (Torre, E.R. (631) 256)

Sensory neocortex; Guinea pig; Spread; Optical recording method; Voltage-sensitive dye (Albowitz, B. (631) 329)

Epileptic focus
Experimental epilepsy; Interictal spike; Discharge pattern; Penicillin; EEG (Dorn, T. (616) 303)

Epileptiform
Hippocampus; Seizure; GABA; Glutamate; Inhibition (Morrisett, R.A. (600) 235)

Trypsin; NMDA; Hippocampal slice (Yamada, N. (624) 336)

Epileptiform activity
Diethyldithiocarbamate; Zinc; Seizure; Bursting; Hippocampal slice (Xu, H. (624) 162)

Epileptogenesis
Long-term depression; Tetanization; Hippocampus; Inhibition; Kindling; Electrophysiology; GABA (Merlin, L.R. (627) 330)

Epinephrine
AMPA; AP-7; Blood pressure; DNQX; Glutamate; Heart rate; Kainate; Mesenteric artery; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

EP receptor subtype
Polymodal receptor; Visceral nociceptor; Sensitization; Prostaglandin E_2; Bradykinin; cAMP; Nerve discharge (Kumazawa, T. (632) 321)

EPSP
Striatum; Tetanus; Synaptic depression; Corticostriatal; Intracellular (Walsh, J.P. (608) 123)

Equine
Inhibitory glycine receptor; [^{3}H]Strychnine; Inherited myoclonus; Peruvian Paso (Gundlach, A.L. (628) 263)

ERK2
MAP kinase; Tau; Phosphorylation (Trojanowski, J.Q. (618) 333)

Erythroid differentiation factor
Granulocyte colony-stimulating factor; Macrophage colony-stimulating factor; Erythropoietin; Hematopoietic factor; Neurotrophic factor; Cholinergic neuron (Konishi, Y. (609) 29)

Erythropoietin
Granulocyte colony-stimulating factor; Macrophage colony-stimulating factor; Erythroid differentiation factor; Hematopoietic factor; Neurotrophic factor; Cholinergic neuron (Konishi, Y. (609) 29)

Escape behavior
Insect; Interneuron, giant; Locomotion (Keegan, A.P. (620) 310)

Estradiol
Progesterone; Synapse; Neural plasticity; Arcuate nucleus; Hypothalamus (Pérez, J. (608) 38)

Electrophysiology; Brainstem slice; Nucleus tractus solitarii; Progesterone; Dorsal motor nucleus of the vagus; Ovarian steroid (Tolchard, S. (609) 21)

Oxytocin; Norepinephrine release; Progesterone; Ventromedial hypothalamus; Lordosis; Prazosin (Vincent, P.A. (620) 189)

Testosterone; Galanin; Medial preoptic area; Sex difference; Immunohistochemistry (Bloch, G.J. (620) 259)

Anisomycin; Paraventricular nucleus; Protein synthesis; Food intake; Body weight; Lordosis (Butera, P.C. (624) 354)

Astrocyte; Brain injury; Reactive gliosis; Progesterone; Testosterone; Cerebral cortex; Hippocampus; Dentate gyrus (Garcia-Estrada, J. (628) 271)

Estradiol benzoate
[^{3}H]Paroxetine; Serotonin reuptake site; Sex difference; Hippocampus; Cerebral cortex (Mendelson, S.D. (601) 299)

Estrogen
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Aging; Dopamine; Hormone; Sex difference; Corpus striatum (McDermott, J.L. (606) 118)

Dihydrotestosterone; Substance P; Sexual behavior (Akesson, T.R. (608) 319)

Amphetamine; Ovariectomy; Castration; Dopamine release; Stereotyped behavior; Quantitative microdialysis (Castner, S.A. (610) 127)

Androgenized female; Antidromic activation; Medial preoptic area; Sexual behavior; Sexual dimorphism; Testosterone; Ventral tegmental area (Hasegawa, T. (611) 1)

Tuberoinfundibular dopaminergic neuron; NMDA receptor; Prolactin; Median eminence; Sex difference (Wagner, E.J. (611) 139)

c-*fos*; Sexual stimulation; Female rat; Progesterone (Pfaus, J.G. (624) 253)

Estrogen receptor
Immunocytochemistry; Preoptic area; Hypothalamus; Amygdala; Hamster (Li, H.-Y. (631) 304)

Estrous cycle
Tyr-aminopeptidase; Aminopeptidase M; Bestatin; Puromycin; Rat brain (De Gandarias, J.M. (620) 146)

Estrous cyclicity
Gonadotropin-releasing hormone; Luteinizing hormone-releasing hormone; Aging; Superfusion; Endogenous opioid; Naloxone; Luteinizing hormone (Rubin, B.S. (601) 246)

Ethanol
Pheochromocytoma; PC12; Calcium flux; Patch clamp; Tolerance (Grant, A.J. (600) 280)

Seizure; *N*-Methyl-D-aspartate receptor; Adenosine; Hippocampus (Cohen, S.M. (601) 80)

Brain; Cytochrome P-450; Cytochrome P-450IIE1; Mono-oxygenase (Anandatheerthavarada, H.K. (601) 279)

N-Methyl-D-aspartate receptor; MK-801 binding; Glutamate binding; Glycine binding; CGS 19755 binding; Kainate binding (Snell, L.D. (602) 91)

Non-opioid; MK-801; Dizocilpine; *N*-Methyl-D-aspartate; Stress-induced analgesia; Genetics; Selective breeding (Mogil, J.S. (602) 126)

Dependence; Hippocampus; Neuron; *N*-Methyl-D-aspartate; Sensitivity (Davidson, M.D. (606) 5)

N-Methyl-D-aspartate; Lateral septum; Inferior colliculus; Glutamate (Simson, P.E. (607) 9)

Behavior genetics; Pharmacogenetics; Selected mouse line; Convulsion; *N*-Methyl-D-aspartic acid; Ethanol withdrawal (Kosobud, A.E. (610) 176)

Calcium channel; Hippocampal neuron; Short-sleep mice; Long-sleep mouse; Tolerance (Huang, G.-J. (615) 328)

Nerve growth factor; Trophic factor neuroprotection; Dorsal root ganglion (Heaton, M.B. (620) 78)

Alcoholic; Guanine nucleotide binding protein; Immunoblotting; Photoaffinity labeling; Transmembrane signaling (Ozawa, H. (620) 174)

Cells-per-track; Depolarization–inactivation; Electrophysiology; Intubation; Single-unit extracellular recording (Shen, R.-Y. (622) 289)

Apomorphine; Dopamine D_1 receptor; Dopamine D_2 receptor; Electrophysiology; Microiontophoresis; Quinpirole; Single-unit extracellular recording (Shen, R.-Y. (624) 216)

Neurotensin; Long sleep (LS) mouse; Short sleep (SS) mouse; Phosphoinositide hydrolysis (Erwin, V.G. (629) 59)

Ethanolamine
Neurotransmitter release; Calcium channel; *R*-Prolinol; Diltiazem (Bostwick, J.R. (629) 79)

Ethanol dependence
Ethanol withdrawal; Corticotropin-releasing factor; Amygdala (Rassnick, S. (605) 25)

Ethanol self-administration
6-Hydroxydopamine; Dopamine; Nucleus accumbens; Mesolimbic; Reinforcement (Rassnick, S. (623) 16)

Ethanol withdrawal
Ethanol dependence; Corticotropin-releasing factor; Amygdala (Rassnick, S. (605) 25)

Behavior genetics; Pharmacogenetics; Selected mouse line; Convulsion; *N*-Methyl-D-aspartic acid; Ethanol (Kosobud, A.E. (610) 176)

Ethidium homodimer
Neurotoxicity; Calcium; Fura-2; Trypan blue (Tymianski, M. (607) 319)

Ethmoidal
Apnea; Nucleus tractus solitarii; Brainstem; Respiratory neuron; Nasal mucosa; Respiratory reflex (Boissonade, F.M. (605) 345)

Ethosuximide
Absence epilepsy; Cerebral glucose utilization; 2-Deoxyglucose; Haloperidol (Nehlig, A. (618) 1)

***N*-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline**
Substantia nigra; Dopamine neuron; Receptor reserve; Autoradiography; *R*(−)-*N*,*N*-Propylnorapomorphine (Cox, R.F. (613) 32)

Ethylketocyclazocine
Morphine; Tolerance; Analgesia; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin; B_{max}; K_d; Brain; Spinal cord (Thorat, S.N. (615) 191)

***N*-Ethylmaleimide**
Mercuric chloride; Iodoacetate; Glutamate; Astrocyte; Transport (Albrecht, J. (607) 249)

Eticlopride
Amphetamine; SCH 23390; Striatum; Sulpiride; Unit activity (Rosa-Kenig, A. (619) 347)

***Euhadra* neuron**
Lidocaine; Cyclic AMP; cAMP-dependent protein phosphorylation; Na^+current; Protein kinase (Onozuka, M. (628) 335)

Eversion
Tactile stimulus; Pneumostome opening; Efferent neuron; Snail (Kemenes, G. (612) 16)

Evoked field potential
Colchicine; Dentate gyrus; Extracellular recording; CA1; Neural transplantation (Dawe, G.S. (625) 63)

Evoked potential
Cytochrome; Redox state; Oxygen; 4-Aminopyridine; Neuron; Glia; Olfactory cortex slice (Saito, T. (612) 9)

P3; P300; Hippocampus; Rat; CA1 region (Caudle, R.M. (613) 247)

Long-term potentiation; Dentate gyrus; Exploration; Spatial learning; Hippocampus (Erickson, C.A. (615) 275)

Cerebral cortex; CO_2-laser; Nociception; Pain; Somatosensory pathway (Kalliomäki, J. (622) 262)

Cerebral cortex; CO_2-laser; Nociception; Pain; Somatosensory pathway (Kalliomäki, J. (622) 271)

Auditory cortex; Rat; Laminar analysis; Current source density (Di, S. (630) 303)

Evoked response
Dentate gyrus; Hippocampus; Paired-pulse facilitation; *N*-Methyl-D-aspartate receptor; MK-801; Rat (Joy, R.M. (604) 273)

Magnetoencephalography; μ Rhythm; Suppression; Tremor; Parkinson's disease; Somatomotor cortex; Human (Mäkelä, J.P. (617) 189)

Excitability
Sensory receptor; Threshold; Cockroach; Tactile spine; Mechanotransduction (Torkkeli, P.H. (632) 317)

Excitatory amino acid
Locomotion; NBQX; AMPA; Quinoxaline (Boldry, R.C. (600) 331)

Alzheimer's disease; Fura-2; Hippocampus; Human neuron; Laser microprobe mass spectrometry; Neuron death; Tau; Ubiquitin (Mattson, M.P. (602) 21)

Subthalamic nucleus; Substantia nigra pars reticulata; Globus pallidus; Basal ganglia; Glutamate; Receptor; Autoradiography (Price Jr., R.H. (602) 157)

Behavior; Running activity; GABA; Kainate; Ventromedial nucleus of the hypothalamus (Narita, K. (603) 243)

Deglutition; Ventro-lateral medulla; Rat (Kessler, J.-P. (603) 353)

Glutamate; Hippocampus; CA1 pyramidal cell; 2-Amino-4-phosphonobutanoic acid (Schulte, M.K. (605) 85)

Glutamate metabotropic receptor; Sensory transmission; Reticulospinal neuron; Vestibular input; Lamprey (Alford, S. (605) 175)

Periaqueductal gray; Respiration; Vocalization; Midbrain; Hering–Breuer reflex; Larynx; Upper airway reflex; Defence (Davis, P.J. (607) 61)

Kainate; Quisqualate; Pentobarbital; Barbiturate; Anesthetic (Marszalec, W. (608) 7)

Purkinje cell; Cerebellum; Serotonin; AMPA; *t*-ACPD (Netzeband, J.G. (608) 145)

Red nucleus; Turtle; In vitro; Slow EPSP (Keifer, J. (608) 349)

Spinal cord injury; Methylprednisolone; Microdialysis (Liu, D. (609) 293)

Cerebral ischemia; CA1; Hippocampus; Long-term potentiation (Miyazaki, S. (611) 155)

Cerebellum granule cell; Intracellular calcium; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

Ischemia; Calcium; Energy depletion (Kim-Lee, M.H. (613) 156)

Confocal microscopy; Calcium-induced calcium release; Fluo-3 (Kocsis, J.D. (616) 273)

NMDA; Excitotoxicity; 7-Chlorokynurenic acid; CGS 19755 (Lehmann, J.C. (620) 1)

Monosialoganglioside GM_1; Glucose metabolic rate; Cerebral metabolism; Hippocampus (Freo, U. (621) 175)

β-Oxalylamino-L-alanine; NADH-dehydrogenase; Brain slice; Quinoxalinediones; Glutamate receptor; Excitotoxin (Pai, K.S. (621) 215)

Adrenal catecholamine; Autonomic control; Spinal trigeminal nucleus (Bereiter, D.A. (622) 155)

Autoreceptor; Positive feedback; Transmitter release; Paired pulse facilitation; Magnesium (Nakamura, F. (622) 307)

Immunocytochemistry; Circadian rhythm; Hypothalamus; GluR1 (Gannon, R.L. (622) 337)

p-Chlorophenylalanine; Noradrenaline; 5-Hydroxytryptophan; Serotonin; Sensory response (Shiekhattar, R. (623) 72)

Quisqualic acid; Seizure; Epilepsy; Glutamate; Development; Spectral analysis (Holmes, G.L. (623) 325)

Substance P; Kainic acid; Neurotoxicity; Wet dog shake; Epilepsy (Velázquez, R.A. (624) 109)

Glutamate receptor; Primate; Confocal microscopy; Quantitative neuroanatomy; Neurodegeneration (Good, P.F. (624) 347)

Hippocampus; Seizure; Cell death; Glutamate receptor; Learning disorder; CGP 39551 (Lahtinen, H. (625) 93)

Glutamate; GABA; NMDA; Dizocilpine; Excitotoxicity; Ischemia (Sakurai, S.Y. (625) 181)

BOAA; NBQX; Neurotoxicity; Neurolathyrism; Motor neurone disorder (Willis, C.L. (627) 55)

L-Glutamate; *N*-Methyl-D-aspartic acid; Ventral tegmental area; Electrophysiology; Brain slice (Wang, T. (627) 299)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Glutamate; KA; AMPA; NMDA (Stanley, B.G. (630) 41)

Whole-cell patch clamp; Synaptic activity; Re-excitation; Nucleus tractus solitarius; Brainstem neuronal networks (Fortin, G. (630) 125)

Spinal cord; Frog; Sodium pump; α-Adrenoceptor (Shope, S.B. (630) 207)

Opioid antagonist; Microdialysis; Stroke (Graham, S.H. (632) 346)

Excitatory amino acid antagonist
Morphine withdrawal; Locus coeruleus; In vivo voltammetry; Naloxone; Opioid (Hong, M. (623) 131)

Excitatory amino acid receptor
Glutamate; Spreading depression; Retina; 2,3-Dihydroxy-6-nitro-7-sulfamoylbenzo(f) quinoxaline; *N*-Methyl-D-aspartate receptor (Sheardown, M.J. (607) 189)

Excitatory amino acid receptor agonist
Spinal serotonin (5-HT) receptor; 8-Hydroxy-2-(di-*n*-propylamino)tetralin (8-OH-DPAT); 1-(2,5-Dimethoxy-4-iodophenyl)-2-aminopropane (DOI) (Mjellem, N. (626) 78)

Excitatory amino acid toxicity
Caffeine ingestion; Hippocampus; Adenosine A_1 receptor (Georgiev, V. (612) 271)

Excitatory postsynaptic potential
Long-term potentiation; Hippocampus; NMDA receptor (Lin, J.-H. (603) 117)

Long-term potentiation; Hippocampal slice; CA1 neuron; α-Tocopherol; L-Ascorbic acid; Free radical; *N*-Methyl-D-aspartate receptor; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Cytokine; Electrophysiology; HIV-1 associated dementia; Interleukin-1β; Learning and memory; Synaptic transmission (Bellinger, F.P. (628) 227)

Excitotoxicity
Metabolism; Anoxia; Ischemia; Turtle brain; Microdialysis (Pérez-Pinzón, M.A. (602) 228)

Fibroblast growth factor; Calcium; Hypoglycemia; Nerve growth factor; Neuron death; Nifedipine; Patch clamp (Cheng, B. (607) 275)

Calpain; Cerebellum; AMPA; Proteolysis; Purkinje cell (Caner, H. (607) 354)

Free radical; Oxidative stress; Reactive oxygen species; Glutamate (Bondy, S.C. (610) 229)

Amantadine; Memantine; Glutamate; *N*-Methyl-D-amphetamine neuron; Neurotoxicity (Weller, M. (613) 143)

Neural transplant; Quinolinic acid; Neural protection; Rat; Striatum; Injury response (Pearlman, S. (613) 203)

NMDA receptor; Dizocilpine; Neuroprotection (Munir, M. (616) 163)

Neonatal rat; NMDA; Brain damage; Diffusion; Magnetic resonance imaging (Verheul, H.B. (618) 203)

NMDA; Excitatory amino acid; 7-Chlorokynurenic acid; CGS 19755 (Lehmann, J.C. (620) 1)

Glutamate; Aspartate; Transport; Ischemia; Neuronal death (Anderson, K.J. (622) 93)

Kainic acid; Lipid peroxidation; Oxidative stress; Oxgyen radical; Antioxidant; Cerebellar granule cell (Puttfarcken, P.S. (624) 223)

Aminooxyacetic acid; Energy metabolism; Glutamate; Metabotropic; NMDA; Neonatal rat brain (McDonald, J.W. (624) 239)

Macrolide antibiotic; FK-506; *N*-Methyl-D-aspartate; Glutamate; Cerebellar granule neuron; Calcium; CPD (Manev, H. (624) 331)

Glutamate; GABA; NMDA; Dizocilpine; Excitatory amino acid; Ischemia (Sakurai, S.Y. (625) 181)

Fibroblast growth factor; Epilepsy; Seizure; Cell death; Kainic acid; Chronic infusion (Liu, Z. (626) 335)

Glutamate antagonist; Nitric oxide (Fujisawa, H. (629) 73)

Na^+,K^+-ATPase; Glia; Sodium pump; Regulation; Glutamate; Telencephalic culture (Brines, M.L. (631) 12)

Excitotoxic lesion
Caudate-putamen; GABA; Glial; Ibotenic acid; Intrastriatal microdialysis; Neuronal (Campbell, K. (614) 241)

Hippocampus; Soman; Glutamate; Peripheral benzodiazepine site ω_3 density (Lallement, G. (618) 227)

Transplantation; Substantia nigra; Neurite; Brain injury; Fluorescence histochemistry; Kainic acid (Takashima, H. (621) 71)

Excitotoxin
Serotonin uptake; Serotonin 5-HT_{1A} receptor; Cortex; Hippocampus; Neuronal lesion (Lawrence, J.A. (612) 326)

Epilepsy; Quinolinic acid; E1 mouse (Nakano, K. (619) 195)

β-Oxalylamino-L-alanine; NADH-dehydrogenase; Brain slice; Quinoxalinediones; Excitatory amino acids; Glutamate receptor (Pai, K.S. (621) 215)

Immunohistochemistry; Quinolinic acid; Macrophage; Dendritic cell; Cytokine (Moffett, J.R. (623) 337)

Kainic acid; Immunohistochemistry; Fink–Heimer (silver) degeneration; c-fos; GFAP; Seafood; Emesis (Scallet, A.C. (627) 307)

Kainic acid; AMPA; Quisqualic acid; NMDA; Non-NMDA glutamate antagonist; NBQX; Hippocampus (Lees, G.J. (628) 1)

Substance P; Dopamine receptor; Striatum; Neuroprotection; Trophic factor (Sanberg, P.R. (628) 327)

Dog; Motoneuron disease; Aspartate; Glutamate; *N*-Acetylaspartate; *N*-Acetylaspartylglutamate; NAALADase (Tsai, G. (629) 305)

Excitotoxin lesion
Ventral pallidum/substantia innominata; Lateral hypothalamus; Globus pallidus; Quinolinic acid; Ibotenic acid; Aphagia; Feeding behavior; Taste aversion (Cromwell, H.C. (624) 1)

Exercise
Anorexia nervosa; Vasopressin; Oxytocin; Dynorphin; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Dorsal vagal complex; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Anorexia nervosa; Dynorphin; β-Endorphin; Starvation; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

Exocytosis
Opioid peptide; Ultrastructure; Mesolimbic; Nigrostriatal; κ Opioid receptor; Dense core vesicle (Pickel, V.M. (602) 275)

Experimental brain lesion
Sensorimotor cortex; Subthalamic nucleus; Unit and intracellular recording (Fujimoto, K. (609) 185)

Experimental epilepsy
Pathology; Dentate gyrus; Morphometry (Bertram III, E.H. (603) 25)

Epileptic focus; Interictal spike; Discharge pattern; Penicillin; EEG (Dorn, T. (616) 303)

Experimental seizure
Epilepsy; Kindling; Animal model (Bertram, E.H. (625) 295)

Exploration
Long-term potentiation; Dentate gyrus; Spatial learning; Evoked potential; Hippocampus (Erickson, C.A. (615) 275)

Exploratory behavior
Cerebellum; Purkinje cell; Non-ataxic; Tonic-clonic seizure; Immune response; Guinea pig (Lev-Ram, V. (606) 325)

Exteroceptive reflex
Human gait; Sural nerve; Reflex gain; Phase-dependent modulation; Task dependency; Automatic gain compensation; Biceps femoris; Tibialis anterior (Duysens, J. (613) 230)

Extracellular ATP
Astrocyte; Calcium; Lactic acid; Acidosis; Purinergic receptor (Neary, J.T. (604) 211)

Extracellular calcium
Neocortex; Anoxic depolarization; Hypoxia; Verapamil; *N*-Methyl-D-aspartate antagonist; Brain slice (Kral, T. (612) 278)

Extracellular DC potential
Microfluorometry; Rhod-2; Calcium; Hippocampus; Dantrolene; Ischemia-like condition; Gerbil (Mitani, A. (601) 103)

Extracellular matrix
Amyloid β-protein precursor; Adhesion; Cytotoxicity (Schubert, D. (629) 275)

Extracellular norepinephrine
Microdialysis; Desipramine; Yohimbine; Extracellular serotonin; Anticonvulsant effect; Genetically epilepsy-prone rat (Yan, Q.-S. (610) 24)

Extracellular recording
Colchicine; Dentate gyrus; Evoked field potential; CA1; Neural transplantation (Dawe, G.S. (625) 63)

Δ^9-Tetrahydrocannabinol; (−)-CP-55,940; Reinforcement; Operant conditioning; Hippocampal CA1 cell; Marijuana; Cannabinoid receptor (Xue, B.G. (626) 272)

Ionotropic receptor; Metabotropic receptor; Cultured cerebellar neuron; Quisqualate; ACPD; AMPA (Fox, E.A. (631) 59)

Extracellular serotonin
Microdialysis; Desipramine; Yohimbine; Extracellular norepinephrine; Anticonvulsant effect; Genetically epilepsy-prone rat (Yan, Q.-S. (610) 24)

Extrahypothalamic-limbic brain region
Cocaine; Corticotropin-releasing factor; Hypothalamus; Radioimmunoassay (Sarnyai, Z. (616) 315)

Extrapyramidal system
Acrylamide; MAP; Striatum; Substantia nigra; Neurotoxicity (Chauhan, N.B. (602) 111)

Extrastriatal D_2 receptor
Dopamine D_2 receptor; Limbic D_2 receptor; Thalamic D_2 receptor; Cortical D_2 receptor; [^{125}I]Epidepride; Human brain post mortem study (Kessler, R.M. (609) 237)

Eye
Calpain; Calpastatin; Immunohistochemistry; Rabbit (Persson, H. (611) 272)

Eyeball retraction
Eye movement; Oculomotor system; Corneal reflex; Blink reflex; Superior rectus muscle; Levator palpebrae muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

Eye enucleation
Calretinin; Calcium-binding protein; Superior colliculus; Retinal deafferentation; Plasticity; Immunohistochemistry; Rat (Arai, M. (613) 341)

Eyelid movement
Blink; Orbicularis oculi; Levator palpebrae superioris; Oculomotor (Porter, J.D. (609) 159)

Eye movement
Oculomotor system; Corneal reflex; Eyeball retraction; Blink reflex; Superior rectus muscle; Levator palpebrae muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

F

Face
Cerebellum; Climbing fiber; Conditioning; Inferior olive; Opiate; Nociception (Weiss, C. (605) 207)

Facial nucleus
Brainstem; Interneuron; Trigeminal motor nucleus; Hypoglossal nucleus; Fluorescent tracer; Rat (Li, Y.-Q. (611) 160)

Reeler mutant mouse; Neuronal migration; Musculotopic representation; Neurological mutant mouse (Terashima, T. (617) 1)

Facilitation
Epilepsy; Seizure; CA1; Pyramidal cell (Bekenstein, J. (601) 111)

Neuromuscular junction; Transmitter release; Synaptic transmission; Calcium channel; ω-Conotoxin (Zengel, J.E. (611) 25)

Fasciculin
Acetylcholinesterase; Substantia nigra; Toxin; Circling behavior; Motor activity (Dajas, F. (616) 1)

Fast cyclic voltammetry
Noradrenaline; Bed nucleus of stria terminalis; Brain slice; Electrical stimulation; Autoreceptor (Palij, P. (607) 134)

Dopamine; Striatum; Nucleus accumbens; Electrical stimulation; Brain slice (Davidson, C. (615) 229)

Fastigial nucleus
Supragenicular nucleus; Direct projection; WGA-HRP; Light microscopy; Electron microscopy; Cat (Katoh, Y.Y. (617) 155)

Fasting
Galanin; Hypothalamus; Obesity; Overeating; Growth hormone; Insulin; Hypothalamo-pituitary-adrenal axis (Beck, B. (623) 124)

Fast inhibitory postsynaptic potential
Slow inhibitory postsynaptic potential; GABA; Hippocampus; Presynaptic inhibition; Activity-dependent; Chloride accumulation (Benardo, L.S. (607) 81)

Slow inhibitory postsynaptic potential; GABA; Magnesium; Glutamate; NMDA; Cerebral cortex (Benardo, L.S. (627) 314)

Fast-scan cyclic voltammetry
In vivo voltammetry; Dopamine; Electrical stimulation; Intracranial self-stimulation; Uptake inhibition; Nomifensine (Young, S.D. (600) 305)

Fat
Corticosterone; Mineralocorticoid receptor; Glucocorticoid receptor; Paraventricular nucleus; Feeding; Carbohydrate (Tempel, D.L. (614) 197)

Fat utilization
Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

F11 cell
Volume-sensitivity; Cl^- conductance; Cell swelling; Hybrid cell line; Patch clamp (Pollard, C.E. (614) 178)

Fear
Antinociception; Analgesia; Anxiety; Stress; Forebrain; Learning; Pavlovian conditioning (Helmstetter, F.J. (612) 253)

Acoustic startle response; t-ACPD; Amygdala; Anxiety; Habituation; Metabotropic glutamate receptor; Rat (Koch, M. (629) 176)

Feeding
Galanin; Neuropeptide; Receptor antagonist; Receptor binding; Behavior; Hypothalamus (Crawley, J.N. (600) 268)

Lateral hypothalamus; Self-stimulation; Opioid; Reward (Carr, K.D. (607) 141)

Neuropeptide Y; Corticotropin-releasing factor; Paraventricular nucleus; Ventromedial hypothalamus; Dexamethasone; α-Helical CRF_{9-41}; Rat (Heinrichs, S.C. (611) 18)

Eating; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

Corticosterone; Mineralocorticoid receptor; Glucocorticoid receptor; Paraventricular nucleus; Carbohydrate; Fat (Tempel, D.L. (614) 197)

Opioid; Autoradiography; EKC; DAMGO; DPDPE; Avian; pCl-DPDPE; Junco; Hypothalamus (Deviche, P. (614) 220)

Hypothalamus; Rat; Cell body stimulation; γ-Aminobutyric acid; Attack; Digging; Gnawing; Drinking (Roeling, T.A.P. (615) 121)

6-Hydroxydopamine; Neonatal lesion; 2-Deoxy-D-glucose; 2,5-Anhydro-D-mannitol (Lu, Y. (617) 120)

Cholecystokinin receptor antagonist; L-365,260; Receptor autoradiography; Visceral afferent; Nucleus tractus solitarii; MK-329; Area postrema (Corp, E.S. (623) 161)

Gastropod; Neural outgrowth; Learning; Behavior (Baker, M.W. (623) 311)

8-Hydroxy-2-(di-*n*-propylamino)tetralin; Idazoxan; Norepinephrine; Serotonin; Hypothalamic paraventricular nucleus; Raphe nucleus (Currie, P.J. (627) 153)

Eating; Neuropeptide Y; Dopamine; Amphetamine; Hypothalamus; Perifornical hypothalamus; Neurotransmitter interactions (Gillard, E.R. (628) 128)

Neuropeptide Y; Norbinaltorphimine; Intracerebroventricular; Rat (Lambert, P.D. (629) 146)

Paraventricular nucleus; Lesion; 5-Hydroxytryptamine; D-Fenfluramine; Fluoxetine; TFMPP; 8-OH-DPAT (Fletcher, P.J. (630) 1)

Eating; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; KA; AMPA; NMDA (Stanley, B.G. (630) 41)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Carbohydrate; Neuropeptide Y; Arcuate nucleus; Macronutrient; Paraventricular nucleus; Dorsomedial nucleus; Body weight (Jhanwar-Uniyal, M. (631) 97)

Neuropeptide Y (NPY); Opioid; Norbinaltorphimine (norBNI); β-Funaltrexamine (β-FNA); Naltrindole (NTI) (Kotz, C.M. (631) 325)

Ventral tegmental area; Opiate; Opioid; Morphine; U-50,488H, μ, κ (Noel, M.B. (632) 68)

Feeding behavior
Neuropeptide Y; Paraventricular nucleus; Anti-NPY γ-globulin; Immunoneutralization; Arcuate nucleus (Shibasaki, T. (601) 313)

Neuropeptide Y; Arcuate nucleus; Suprachiasmatic nucleus; Paraventricular nucleus; 2-Deoxy-D-glucose; Mercaptoacetate (Akabayashi, A. (621) 343)

Prolactin; Preoptic area; Ventromedial hypothalamus; Lateral hypothalamus; Tuberal hypothalamus; Bird; *Streptopelia risoria* (Hnasko, R.M. (623) 257)

Ventral pallidum/substantia innominata; Lateral hypothalamus; Globus pallidus; Quinolinic acid; Ibotenic acid; Excitotoxin lesion; Aphagia; Taste aversion (Cromwell, H.C. (624) 1)

CPG; Command neuron; Dopamine (Teyke, T. (630) 226)

Feeding cycle
Microdialysis; Norepinephrine; Paraventricular nucleus (Paez, X. (606) 167)

Feeding suppression
Satiation; Apolipoprotein A-IV; Lipid meal; Mesenteric lymph; Chylomicron; Meal size; Intestine (Fujimoto, K. (608) 233)

Neuronal histamine; α-Fluoromethylhistidine; Histamine H_3 receptor; Thioperamide (Ookuma, K. (628) 235)

1-Deoxy-D-glucosamine; 1-Deoxy-*N*-acetylglucosamine; Turnover of neuronal histamine in the hypothalamus; α-Fluoromethylhistidine; Chlorpheniramine (Kang, M. (631) 181)

Female rat
c-*fos*; Sexual stimulation; Estrogen; Progesterone (Pfaus, J.G. (624) 253)

Female sex behavior
Vocalization; Rejection behavior; Nerve growth factor; Anti-nerve growth factor; Weight gain (Gibbs, R.B. (610) 256)

Femoral nerve
Fos; c-*fos*; Somatosympathetic reflex; Electrical stimulation; Fos-like immunoreactivity (McKitrick, D.J. (632) 127)

D-Fenfluramine
Paraventricular nucleus; Lesion; Feeding; 5-Hydroxytryptamine; Fluoxetine; TFMPP; 8-OH-DPAT (Fletcher, P.J. (630) 1)

Fetal
Cocaine; Tyrosine hydroxylase; Catecholamine; Brain; Prenatal; Rat (Meyer, J.S. (608) 129)

Fetal brain transplant
Sexual behavior; Medial preoptic area; Retrograde tracer; Fluorogold; Lisuride (Paredes, R.G. (620) 351)

Fetal hypothalamic graft
Heterograft; Suprachiasmatic nucleus; Neural transplantation; Fiber outgrowth (Sollars, P.J. (614) 212)

Fetal lamb
Diaphragm; Tonic activity; Radiated activity; Spinal origin; Respiratory pattern generator (Berger, P.J. (612) 299)

Fetal rat brain
Interleukin-2; Neuronal survival; Neurite extension; Cell culture (Sarder, M. (625) 347)

Fetal tau
PHF-tau; Phosphate content; Phosphorylation (Kenessey, A. (629) 40)

Fever and in situ hybridization
Endotoxin; Interleukin-1β; Organum vasculosum laminae terminalis (Nakamori, T. (618) 155)

Fever mechanism
Interleukin-6; Tumor necrosis factor; Interleukin-1; Endotoxin; Blood–brain barrier (Coceani, F. (612) 165)

1/*f* fluctuation
Spectral analysis; PGO-on neuron; Paradoxical sleep; Cat (Sei, H. (612) 351)

Fiber outgrowth
Heterograft; Suprachiasmatic nucleus; Neural transplantation; Fetal hypothalamic graft (Sollars, P.J. (614) 212)

Fiber tract
Axon growth; Adult spinal cord; Embryonic transplant; Regeneration; Myelin (Li, Y. (629) 115)

Fibroblast growth factor
Nerve growth factor; Brain injury; Human; Enzyme-linked immunoassay; PC12; Neurotrophic (Patterson, S.L. (605) 43)

Hippocampus; Limbic system; Olfactory bulb; Growth factor (Gómez-Pinilla, F. (606) 79)

Calcium; Excitotoxicity; Hypoglycemia; Nerve growth factor; Neuron death; Nifedipine; Patch clamp (Cheng, B. (607) 275)

Protein kinase C; Protein kinase A; Phorbol ester; Nerve growth factor; Alcohol (Roivainen, R. (624) 85)

Epilepsy; Seizure; Cell death; Kainic acid; Excitotoxicity; Chronic infusion (Liu, Z. (626) 335)

Fictive swallowing
Superior laryngeal nerve; Antidromic mapping; Hypoglossal nucleus; Ambiguus nucleus (Ezure, K. (632) 216)

Field potential
Secondary somatosensory cortex; Ventral posterolateral thalamic nucleus; Current source density analysis; Long-lasting potentiation (Kawakami, Y. (605) 147)

Rhythmic slow activity; Rat; Current source density (Brankack, J. (615) 310)

Chronic ethanol; Hippocampus; Acetylcholine; Muscarinic receptor; Recurrent inhibition (Rothberg, B.S. (631) 227)

Fifth somatosensory cortex
Somatosensory cortex; Intracortical microstimulation; Cat; Anterior suprasylvian sulcus (Mori, A. (602) 143)

Fimbria
Long-term potentiation; Paired-pulse facilitation and inhibition; Lateral septum; Aging; Mouse (Garcia, R. (620) 229)

Fimbria–fornix
Acetylcholine; Choline acetyltransferase; Choline; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Noradrenaline; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Fimbria-fornix lesion
Noradrenaline; Acetylcholine; Transmitter release; Microdialysis; Hippocampus; Functional recovery (Leanza, G. (615) 147)

Fink–Heimer (silver) degeneration
Excitotoxin; Kainic acid; Immunohistochemistry; c-fos; GFAP; Seafood; Emesis (Scallet, A.C. (627) 307)

Firing blockade
CA1; NMDA; Synaptic activation; Antidromic; Axon–soma transmission; In situ (Herreras, O. (616) 330)

Firing rate
Glutamic acid decarboxylase; Purkinje cell; Climbing fiber lesion; Cerebellum; Glutamic acid decarboxylase$_{67}$ mRNA; mRNA stability (Drengler, S.M. (615) 175)

Fischer 344
Aging; Neurotensin; Striatum; Nucleus accumbens; Haloperidol; Dopamine receptor; In situ hybridization (Dobie, D.J. (616) 105)

Fixed ratio
Cocaine; Self-administration; SCH 23390; Nucleus accumbens; Amygdala; Progressive ratio (McGregor, A. (624) 245)

FK-506
Macrolide antibiotic; Excitotoxicity; *N*-Methyl-D-aspartate; Glutamate; Cerebellar granule neuron; Calcium; CPD (Manev, H. (624) 331)

Flatfish
Central nervous system; Centrifugal visual system; Visual–vestibular coordination; Optomotor response (Meyer, D.L. (601) 308)

Flexible microelectrode
Neuromuscular junction; Maturation; Diaphragm; Respiratory failure (Bazzy, A.R. (600) 349)

Flexor carpi ulnaris
Motor unit; Recruitment; Size principle (Jones, K.E. (602) 354)

Flight
Defence reaction; Freezing; Baroreflex sensitivity; Sinoaortic denervation; Mesencephalic tectum; Periaqueductal gray matter (Schenberg, L.C. (621) 50)

Flight behavior
Ventral tegmental area; Dopaminergic mesolimbic-mesocortical system; Hypothalamic stimulation; Focused attention; Sulpiride (Crescimanno, G. (610) 242)

Flow cytometry
Glutathione; Astrocyte (Devesa, A. (618) 181)

Fluid percussion
Opioid; Scopolamine; Morphine; Traumatic brain injury (Lyeth, B.G. (617) 69)

Brain trauma; Lesion volume; Neuronal alteration; Glial activation (Toulmond, S. (620) 24)

Fluid-percussion brain injury
Cognitive enhancer; Nootropic drug; Morris water maze (Pierce, J.E.S. (624) 199)

Flumazenil
Diazepam withdrawal; 2-Deoxyglucose; Cerebral glucose utilization; Set-point; Precipitated withdrawal; Spontaneous withdrawal; Withdrawal shift (Laurie, D.J. (631) 277)

Flunarizine
Glutamate release; Ca^{2+} channel; Na^+ channel; Veratridine; Ouabain; Tetrodotoxin (Cousin, M.A. (606) 227)

Voltage-dependent Ca^{2+} current; Central nervous system neuron; Diphenylpiperazine derivative Ca^{2+} antagonist; Oxidative metabolism; KB-2796 (Akaike, N. (619) 263)

Flunitrazepam binding
Sexual behavior; Male rat behavior (Saldivar-Gonzalez, A. (611) 326)

Fluo-3
Excitatory amino acid; Confocal microscopy; Calcium-induced calcium release (Kocsis, J.D. (616) 273)

Fluorescence histochemistry
Transplantation; Substantia nigra; Neurite; Brain injury; Kainic acid; Excitotoxic lesion (Takashima, H. (621) 71)

Fluorescent dye
Rat visual system; Axotomy; Degeneration; Neurotrophic factor (Mey, J. (602) 304)

Fluorescent tracer
Rhodamine β-isothiocyanata; Transneuronal tracing; Isthmo-optic nucleus; Retinal projection; Bird (Miceli, D. (601) 289)

Brainstem; Interneuron; Trigeminal motor nucleus; Facial nucleus; Hypoglossal nucleus; Rat (Li, Y.-Q. (611) 160)

Vestibular nucleus; Spinal cord; Bromodeoxyuridine; Neurogenesis (Kitao, Y. (620) 149)

Nerve crush; Axoplasmic transport; Photoconversion; Diaminobenzidine; Ranvier's node; Axon–Schwann cell network (Persson, H.G. (630) 115)

Fluorodihydroxyphenylalanine
Positron emission tomography; Catecholamine metabolism; Catechol-*O*-methyltransferase; Nitecapone; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Hemiparkinsonism (Miletich, R.S. (626) 1)

Fluoro-gold
Carotid sinus nerve; Tyrosine hydroxylase; Neuropeptide; Petrosal ganglion; Rat (Ichikawa, H. (611) 67)

Antinociception; Dopamine β-hydroxylase; Norepinephrine; *Phaseolus vulgaris*-leucoagglutinin; Pons; Retrograde tracer; Tyrosine hydroxylase (Clark, F.M. (616) 200)

Sexual behavior; Medial preoptic area; Fetal brain transplant; Retrograde tracer; Lisuride (Paredes, R.G. (620) 351)

Herpes simplex virus; Mouse; Retrograde transport; Antiviral (LaVail, J.H. (625) 57)

Neurotoxicity; Axonal tracer; Neuropathology (Schmued, L.C. (626) 71)

Fluoromethylhistidine
Histamine; Mepyramine; Cerebral ischemia; Four-vessel occlusion; Delayed neuronal death (Adachi, N. (602) 165)

α-Fluoromethylhistidine
Neuronal histamine; Feeding suppression; Histamine H_3 receptor; Thioperamide (Ookuma, K. (628) 235)

1-Deoxy-D-glucosamine; 1-Deoxy-*N*-acetylglucosamine; Turnover of neuronal histamine in the hypothalamus; Chlorpheniramine; Feeding suppression (Kang, M. (631) 181)

Fluoxetine
Anorexia nervosa; Vasopressin; Oxytocin; Dynorphin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Dorsal vagal complex; Thymus; Serotonin (Aravich, P.F. (612) 180)

Acetylcholine; Serotonin; Nucleus accumbens; Microdialysis; 8-OH-DPAT (Rada, P.V. (619) 98)

Paraventricular nucleus; Lesion; Feeding; 5-Hydroxytryptamine; D-Fenfluramine; TFMPP; 8-OH-DPAT (Fletcher, P.J. (630) 1)

FMRFamide
Aplysia; Culture; Synapse; Slow K^+ current (Yanaura, M. (629) 88)

FMRFamide-like
Oxytocin-like; Sex segmental ganglia; Leech; Immunocytochemistry; Immunoassay; Reverse phase HPLC; Anti-diuretic effect (Salzet, M. (601) 173)

Focal cerebral ischemia
Middle cerebral artery occlusion; Immunohistochemistry; Infarct size; Mouse (Chiamulera, C. (606) 251)

Kappa-1 opioid agonist; Cerebral blood flow; Neuroprotection (Mackay, K.B. (629) 10)

Focal ischemia
Nitric oxide; In vivo spin-trapping; Cryogenic electron paramagnetic resonance; Endothelium-derived relaxing factor; Nitric oxide synthase inhibitor (Tominaga, T. (614) 342)

Neuron-specific enolase; Neurological deficit; Rat; Middle cerebral artery occlusion; Systemic circulation; Cerebral circulation (Barone, F.C. (623) 77)

Focused attention
Ventral tegmental area; Dopaminergic mesolimbic-mesocortical system; Hypothalamic stimulation; Flight behavior; Sulpiride (Crescimanno, G. (610) 242)

Food intake
Monoclonal antibody to CRF; Paraventricular nucleus; Ventromedial hypothalamus; Ricin A chain; Corticotropin-releasing factor radioimmunoassay; Neuropeptide Y; Dexamethasone (Menzaghi, F. (618) 76)

Electroencephalogram; Catheterization; Continuous intravenous infusion: Brain temperature; Water intake (Takahata, R. (623) 65)

Estradiol; Anisomycin; Paraventricular nucleus; Protein synthesis; Body weight; Lordosis (Butera, P.C. (624) 354)

Serotonin; Agonist; Ingestion; Hindbrain, Rat (Edwards, G.L. (628) 321)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Neuropeptide Y (NPY); NPY receptor; [Leu^{31},Pro^{34}]NPY; NPY 20–36; Discriminative stimulus; Drug discrimination (Jewett, D.C. (631) 129)

Food restriction
Addiction; Sensitization; Corticosterone; Amphetamine; Morphine; Locomotor activity (Deroche, V. (611) 352)

Food-storing behavior
Calbindin-like immunoreactivity; Hippocampal formation; Interneuron; Projection neuron; Paridae and corvidae (Montagnese, C.M. (614) 291)

Footshock
Cocaine; Self-administration; Reinforcement; Development; Stress; Emotional stress; Physical stress; Rat (Ramsey, N.F. (608) 216)

Conditioning; Locus ceruleus; Ventral lateral medulla; A5; A7; Periaqueductal gray; Nucleus tractus solitarii; Neuroimmunomodulation (Pezzone, M.A. (608) 310)

Psychological stress; Corticotropin-releasing hormone; Arousal; Pentobarbital; CRH-receptor antagonist; Adrenocorticotropin; Catecholamine (Shibasaki, T. (618) 71)

Footshock stress
Tail flick test; Stress induced analgesia; Mouse; κ Opioid receptor; Opioid; Antinociception (Menendez, L. (611) 264)

Forebrain
Antinociception; Analgesia; Fear; Anxiety; Stress; Learning; Pavlovian conditioning (Helmstetter, F.J. (612) 253)

Forebrain ischemia
Chronic survival; Neuronal loss; Shrinkage; Regional volume; Rat brain (Beck, T. (605) 280)

Forebrain oxygenation
Gender; Handedness; Hemodynamics; Near-infrared spectrophotometry; Mirror drawing task (Okada, F. (601) 337)

Formalin pain
NMDA; Glycine site; MK-801; ACEA-1011 (Vaccarino, A.L. (615) 331)

Morphine; Tolerance; Tail-flick (Vaccarino, A.L. (627) 287)

Formalin test
Naked mole-rat; Pain; Opioid; Non-opioid (Kanui, T.I. (600) 123)

Substance P; Met-enkephalin; Neurotensin; Descending inhibition; Immunocytochemistry; Rat (Zhang, R.X. (603) 162)

Substance P; DiMe-C7; Analgesia; Tonic pain; Tail-flick test; Ventral tegmental area; Midbrain dopamine system; Amphetamine; Nucleus accumbens; Medial prefrontal cortex (Altier, N. (628) 279)

Choline acetyltransferase (ChAT); Hippocampus; Pain (Aloisi, A.M. (629) 167)

Forskolin
Human brain; Caudate; Autoradiography; Guanylyl-5′-imidodiphosphate (Stockmeier, C.A. (610) 156)

Adenylate cyclase; cAMP; Guanosine nucleotide analog; Aging; Rat; Striatum; Nucleus accumbens (Sugawa, M. (618) 57)

Interleukin 1; Interferon; Tumor necrosis factor; Glia; Oscillations; Fura-2; Calcium (Holliday, J. (621) 233)

Metabotropic glutamate receptor; cAMP; mGluR2 mRNA; Brain slice (Genazzani, A.A. (622) 132)

Forskolin binding
Adenylate cyclase; Human; Rat; Cortex; Striatum (Ross, B. (629) 225)

Fos
NGFI-A; Krox-24; Immediate-early gene; Cytochrome oxidase; Immunohistochemistry; Vervet (Chaudhuri, A. (605) 349)

Spinally projecting neuron; Paraventricular nucleus; Rostral ventrolateral medulla; Hemorrhage (Badoer, E. (610) 216)

Immunocytochemistry; Lordosis; Luteinizing hormone-releasing hormone; Medial nucleus of amygdala; Rat (Rajendren, G. (617) 81)

Suprachiasmatic nuclei; Serotonin; Glutamate; Quipazine; Light; Hamster (Selim, M. (621) 181)

c-*fos*; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

c-*fos*; Femoral nerve; Somatosympathetic reflex; Electrical stimulation; Fos-like immunoreactivity (McKitrick, D.J. (632) 127)

Globus pallidus; D_1 receptor; D_2 receptor; Supersensitivity; Dopamine; Immediate-early gene (Marshall, J.F. (632) 308)

c-Fos
Fos mRNA; Protein; Cholinesterase inhibitor; Gene expression; Seizure; Rat brain (Chollat-Namy, A. (603) 32)

Tyrosine hydroxylase; Phenylethanolamine-*N*-methyltransferase; Serotonin; Nucleus tractus solitarii; Ventrolateral medulla (Dun, N.J. (608) 223)

Pelvic nerve; Amygdala; Cervical stimulation; Lordosis; Preoptic area; Mating; Hypothalamus (Rowe, D.W. (621) 25)

Dorsal horn; Somatotopy; Peripheral nerve injury; Tibial nerve; Peroneal nerve (Sugimoto, T. (621) 161)

Migraine; Trigeminal nucleus caudalis; Superficial dorsal horn; Nucleus of the solitary tract; Nucleus retroambigualis (Kaube, H. (629) 95)

***c*-Fos expression**
Corticotropin-releasing factor; Stress (Imaki, T. (616) 114)

c-Fos immunohistochemistry
2-Deoxyglucose autoradiography; Tonotopy; Auditory system (Reimer, K. (616) 339)

Fos immunoreactivity
Hamster; Circadian rhythm; Acetylcholine; Mecamylamine (Zhang, Y. (615) 107)

c-*fos*; Interleukin-1; Hypothalamus; Oxytocin; Vasopressin (Chang, S.L. (617) 123)

Fos-like immunoreactivity
Circadian rhythm; Intergeniculate leaflet; Light stimulus; MK-801; *N*-Methyl-D-aspartate receptor; Suprachiasmatic nucleus (Park, H.T. (610) 334)

Fos; c-*fos*; Femoral nerve; Somatosympathetic reflex; Electrical stimulation (McKitrick, D.J. (632) 127)

Fos mRNA
c-*Fos*; Protein; Cholinesterase inhibitor; Gene expression; Seizure; Rat brain (Chollat-Namy, A. (603) 32)

Fos protein
Protein kinase C; Protein kinase Cγ; c-*fos*; Chick; Intermediate and medial hyperstriatum ventrale; Imprinting; Learning (Ambalavanar, R. (606) 315)

Four-vessel occlusion
Histamine; Fluoromethylhistidine; Mepyramine; Cerebral ischemia; Delayed neuronal death (Adachi, N. (602) 165)

Amyloid precursor protein; Microtubule-associated protein 2; Transient global ischemia; Alzheimer's disease (Robison, P.M. (608) 334)

Fracture-flip
$GABA_A$ receptor; Receptor topology; Label-fracture; Cortical neuron; Cerebellar granule cell (Caruncho, H.J. (603) 234)

Free fatty acid
Inositol phosphate; Diacylglycerol; Creatine phosphate; Adenosine 5'-triphosphate; Lithium; Cerebral ischemia (Lin, T.-A. (606) 200)

Kainic acid; Diacylglycerol; Brain region; Seizure-related brain damage; Epilepsy (Birkle, D.L. (613) 115)

Freely moving rat
Amphetamine; Haloperidol; Intrastriatal infusion; Single-unit recording; Striatum (Wang, Z. (627) 79)

Nucleus accumbens; Cholecystokinin; Local perfusion; Dopamine release; Microdialysis (Ladurelle, N. (628) 254)

Free radical
Long-term potentiation; Hippocampal slice; CA1 neuron; α-Tocopherol; L-Ascorbic acid; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Hypoxia; Brain; Mouse; Neonate; Electron spin resonance (Hasegawa, K. (607) 161)

Excitotoxicity; Oxidative stress; Reactive oxygen species; Glutamate (Bondy, S.C. (610) 229)

Epilepsy; Neuroimmunology; Microglia; Reactive oxygen intermediate (Müller, M. (619) 157)

ATL-derived factor; Astroglia; Delayed neuronal death (Tomimoto, H. (625) 1)

Cerebral ischemia; Hippocampus; Immunohistochemistry; Superoxide dismutase; Astrocyte; Microglia; Rat (Liu, X.-H. (625) 29)

Ischemia; Ischemia/reperfusion injury; Spin trap; Oxypurinol; Electron spin resonance (Phillis, J.W. (628) 309)

Free-running rhythm
Circadian rhythm; Suprachiasmatic nucleus; Somatostatin; Enzyme immunoassay; Peptide regulation; Light–dark cycle; Rat (Fukuhara, C. (606) 28)

Freeze-dried Pt-C replicated neurofibrillay tangle
Alzheimer's disease; Denatured tau polymer filament; Neurofibrillary pathology (Ruben, G.C. (601) 1)

Freezing
Defence reaction; Flight; Baroreflex sensitivity; Sinoaortic denervation; Mesencephalic tectum; Periaqueductal gray matter (Schenberg, L.C. (621) 50)

Amygdala; Corticotropin-releasing factor; Stress; Defensive behavior (Swiergiel, A.H. (623) 229)

Frequency
Fura-2; Mitochondria; Calcium channel (Bleakman, D. (600) 257)

Frog
Recurrent axon collateral; Synaptic bouton; Lumbar motoneuron (Chmykhova, N.M. (603) 289)

Spinal cord; Sodium pump; α-Adrenoceptor; Excitatory amino acid (Shope, S.B. (630) 207)

Frontal cortex
Recovery; Dopamine; Noradrenaline; Serotonin; Rat (De Brabander, J.M. (601) 20)

Tyrosine hydroxylase; Calcium binding protein; Substantia nigra; Primate (Gaspar, P. (603) 166)

Rat; Dissociated neuron; Perforated patch; Ca^{2+} current; Ca^{2+} antagonist; ω-Conotoxin; Nicardipine (Ye, J.H. (606) 111)

Aging; Ascorbate; Dopamine; In vivo voltammetry; Nucleus accumbens; Caudate-putamen; Rat (Svensson, L. (609) 36)

Serotonin; 8-OH-DPAT; Temperature; Nucleus raphe dorsalis; In vivo voltammetry; Stress; Rat (Clement, H.-W. (614) 117)

Kindled circuit; Amygdala; Piriform cortex; Dorsal hippocampus (McIntyre, D.C. (615) 1)

Neuronal differentiation; Rat brain; Neural retina; Immunofluorescence (Yang, G. (615) 71)

Cognition; Monkey; Basal ganglia; MPTP (Schneider, J.S. (615) 351)

Human aging; Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1D} receptor; Serotonin 5-HT_2 receptor; Serotonin uptake site (Arranz, B. (620) 163)

Nicotine; Serotonin; Microdialysis (Ribeiro, E.B. (621) 311)

Amygdala; Hippocampus; Hypothalamus; Ventral striatum; Dorsal striatum; Corticosterone; Restraint stress; 6-Hydroxydopamine lesion; Dopamine (Casolini, P. (622) 311)

Acetylcholine; SKF-38393; Striatum; Microdialysis (Zocchi, A. (627) 186)

Opioid; Nociception; Thalamus; Analgesia; Spinal cord (Coffield, J.A. (630) 252)

Cytokine; Gliosis (Da Cunha, A. (631) 39)

Opioid receptor; Alzheimer's disease; Amygdala; Putamen; GTP analog; Autoradiography; Human brain (Barg, J. (632) 209)

Frontal lesion
Perseveration; Marmoset; Attentional set (Ridley, R.M. (628) 56)

Frontoparietal cortex
Isoproterenol; Propranolol; Somatostatin; Rat (López-Sañudo, S. (614) 171)

Fronto-parietal cortex
Acetylcholine; Vasoactive intestinal polypeptide; Axonal sprouting; Ibotenic acid lesion; Immunocytochemistry (Cossette, P. (630) 195)

β-Funaltrexamine
Morphine analgesia; Periaqueductal gray; Nucleus reticularis gigantocellularis; Nucleus raphe magnus; Naltrexone; Naltrindole; Opioid receptor (Kiefel, J.M. (624) 151)

Alcohol intake; Naltrindole; Naltrexone; Opiate receptor; Mu; δ Opioid receptor; Mouse (Lê, A.D. (630) 330)

Feeding; Neuropeptide Y (NPY); Opioid; Norbinaltorphimine (norBNI); Naltrindole (NTI) (Kotz, C.M. (631) 325)

Functional recovery
Spinal cord injury; Motor system; Respiration; Ultrastructure; Phrenic nucleus (Goshgarian, H.G. (600) 169)

Acetylcholine; Synthesis; Neurotensin (Lapchak, P.A. (613) 239)

Noradrenaline; Acetylcholine; Transmitter release; Microdialysis; Hippocampus; Fimbria-fornix lesion (Leanza, G. (615) 147)

Functional reinnervation
Tectal transplant; Cortical transplant; Visual topography; Electrophysiology (Girman, S.V. (607) 167)

Funnel web spider
Hadronyche versutus; Versutoxin; Neurotoxin; Synaptic potential; Locus coeruleus; Laterodorsal tegmental nucleus; Trigeminal nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

Fura-2
Mitochondria; Calcium channel; Frequency (Bleakman, D. (600) 257)

Alzheimer's disease; Excitatory amino acid; Hippocampus; Human neuron; Laser microprobe mass spectrometry; Neuron death; Tau; Ubiquitin (Mattson, M.P. (602) 21)

Cytosolic calcium; NMDA; Neuron; Resting $[Ca^{2+}]_i$; $\Delta[Ca^{2+}]_i$ (Nakajima, K. (603) 321)

Neurotoxicity; Calcium; Trypan blue; Ethidium homodimer (Tymianski, M. (607) 319)

Whole-cell patch clamp technique; Outer hair cell; Hyperpolarization; Hyposmotic activation (Harada, N. (614) 205)

Adenosine A_1 receptor; Goldfish brain synaptosome; Glutamate release; Ca^{2+} concentration (Poli, A. (620) 245)

Alzheimer's disease; Glutamate; Hippocampus; Nerve growth factor; Neurotoxicity (Mattson, M.P. (621) 35)

Cholinergic; Muscarinic; Norepinephrine; Cell culture; Alzheimer's disease (Whittemore, E.R. (621) 59)

Interleukin 1; Interferon; Tumor necrosis factor; Glia; Oscillations; Forskolin; Calcium (Holliday, J. (621) 233)

Fura-2 microfluorometry
Chick ciliary ganglion cell; Cytosolic free calcium; Caffeine; Muscarinic agonist; Ryanodine; Thapsigargin (Sorimachi, M. (627) 34)

Furin
Carboxypeptidase E/H; Peptidylglycine α-amidating monooxygenase; Transthyretin; Ependyma; Choroid plexus; Chromogranin (Gee, P. (617) 238)

G

GABA
Retinopetal system; Cyclostome; Axonal tracing; Immunocytochemistry (Rio, J.P. (600) 9)

Hippocampus; Epileptiform; Seizure; Glutamate; Inhibition (Morrisett, R.A. (600) 235)

Behavior; Running activity; Excitatory amino acid; Kainate; Ventromedial nucleus of the hypothalamus (Narita, K. (603) 243)

Fast inhibitory postsynaptic potential; Slow inhibitory postsynaptic potential; Hippocampus; Presynaptic inhibition; Activity-dependent; Chloride accumulation (Benardo, L.S. (607) 81)

Channel modulation; Cation; Lanthanum; Copper; Zinc (Ma, J.Y. (607) 222)

Lethargic mouse; $GABA_B$ receptor; Absence seizure; Baclofen; G-protein (Lin, F.-h. (608) 101)

Rat hypothalamus; Long-term culture; Vasopressin; Opioid peptide; mRNA (Wahle, P. (611) 37)

Hypoglossal motoneuron; Carbachol; Rapid eye movement sleep; Glycine; Atonia; Strychnine; Bicuculline (Kubin, L. (611) 300)

$GABA_A$
Lamotrigine; Anticonvulsant; Sodium channel; Calcium channel; L-Glutamate; Benzodiazepine; Patch clamp (Lees, G. (612) 190)

Lateral hypothalamus; DOCA; Hypertension; Norepinephrine; Salt diet (Sessler, F.M. (613) 259)

Long-term depression; Hippocampus; Long-term potentiation; Depotentiation; Inhibition (Zhang, D.X. (613) 309)

Dopamine neuron; Sensory deprivation; Odor deprivation; Olfactory marker protein (Baker, H. (614) 109)

Caudate-putamen; Excitotoxic lesion; Glial; Ibotenic acid; Intrastriatal microdialysis; Neuronal (Campbell, K. (614) 241)

Dorsal raphe nucleus; In vitro recording; Glibenclamide; Gliquidone; Lemakalim; K(ATP) channel; Serotonin neuron (Haj-Dahmane, S. (614) 270)

Acetylcholine; Nucleus accumbens; Microdialysis; Muscimol; Baclofen; Bicuculline; Saclofen (Rada, P.V. (619) 105)

Pentobarbital; Quench-flow; Chloride flux; Microsac; Rat (Mihic, S.J. (619) 319)

MK-801; Dizocilpine; Phencyclidine; Glutamate (Hönack, D. (620) 167)

Spinal cord; Neurectomy; Sciatic nerve; Rat; Plasticity (Castro-Lopes, J.M. (620) 287)

Regional superfusion; Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Analgesia; Nociception; Glycine; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

Immunohistochemistry; Neurotransmitter; Cephalopod; Mollusc (Cornwell, C.J. (621) 353)

Axon; Conduction; Development; Dorsal column; Spinal cord (Sakatani, K. (622) 43)

Sex steroid; Norepinephrine; Hypothalamus; Goldfish (Trudeau, V.L. (624) 29)

Parvalbumin; LANT6; Co-occurrence; Pallidum; Substantia nigra; Pigeon; Monkey (Reiner, A. (624) 317)

Glutamate; NMDA; Dizocilpine; Excitotoxicity; Excitatory amino acid; Ischemia (Sakurai, S.Y. (625) 181)

Taurine; Presynaptic receptor; Aspartate; Glutamate; Synaptosome; Rat cortex (Kamisaki, Y. (627) 181)

Acetylcholine; Cortex; Benzodiazepine receptor; Chlordiazepoxide; ZK 93 426; Microdialysis; Rat (Moore, H. (627) 267)

Fast inhibitory postsynaptic potential; Slow inhibitory postsynaptic potential; Magnesium; Glutamate; NMDA; Cerebral cortex (Benardo, L.S. (627) 314)

Long-term depression; Tetanization; Hippocampus; Inhibition; Kindling; Epileptogenesis; Electrophysiology (Merlin, L.R. (627) 330)

Glutamate; Glycine; Hippocampus; $GABA_A$ current depression; Glycine current depression (Ragozzino, D. (628) 115)

$GABA_B$
Dopamine release; NMDA; AMPA; Kainate; Baclofen (Santiago, M. (628) 187)

Immunocytochemistry; Autoradiography; Neuropeptide; Classical neurotransmitter; Coexistence; Somatostatin; Neurotensin (Watt, C.B. (628) 349)

Superior colliculus; Retinotectal pathway; Long-term potentiation (LTD); Corticotextal pathway; LTP inhibition (Hirai, H. (629) 23)

Seizure; Soman (Lallement, G. (629) 239)

Mammillary body; Dorsal tegmental nucleus; Ventral tegmental nucleus; Anterior tegmental nucleus (Wirtshafter, D. (630) 188)

Benzodiazepine; Receptor; Chloride channel; Learned helplessness; Coping behavior; Shuttlebox escape learning; Anxiety; Depression (Drugan, R.C. (631) 270)

$GABA_A$ and $GABA_B$ receptors
Intracerebral microdialysis; Dopamine release; Prefrontal cortex; Rat (Santiago, M. (630) 28)

$GABA_A$ current depression
Glutamate; Glycine; GABA; Hippocampus; Glycine current depression (Ragozzino, D. (628) 115)

GABAergic convulsant agent
Noradrenaline release; Hexachlorocyclohexane isomer; Diazepam; Hippocampal slice (Cristòfol, R.M. (606) 237)

GABAergic interneuron
Basal ganglia; Calretinin; Calcium-binding protein; Parvalbumin; Cholinergic interneuron; NADPH-diaphorase neurone (Bennett, B.D. (609) 137)

$GABA_A$ receptor
Receptor topology; Label-fracture; Fracture-flip; Cortical neuron; Cerebellar granule cell (Caruncho, H.J. (603) 234)

Anesthesia; Benzodiazepine receptor; Isoflurane; Stereospecificity; *t*-Butylbicyclophosphorothionate (Moody, E.J. (615) 101)

Antinociception; Nucleus raphe magnus; Nucleus gigantocellularis pars alpha; Spinal cord; Bicuculline; Isoguvacine; Diazepam (McGowan, M.K. (620) 86)

$GABA_B$ receptor; Hepatic encephalopathy; Cerebral cortex (Oja, S.S. (629) 355)

Adrenoceptor; Alzheimer's disease; Cortical pyramidal neuron; Kainate receptor; Muscarinic receptor; Phosphoinositide-linked receptor (Chessell, I.P. (632) 86)

$GABA_B$ receptor
Antinociception; Nucleus raphe magnus; Spinal cord; L-Glutamate; CGP 35348; Phaclofen; Methysergide (McGowan, M.K. (607) 39)

Lethargic mouse; Absence seizure; Baclofen; GABA; G-protein (Lin, F.-h. (608) 101)

D-Glucose; GABA release; Norepinephrine release; Serotonin release; Acetylcholine release; Hyperglycemia; Diabetic coma (Fink, K. (618) 220)

$GABA_A$ receptor; Hepatic encephalopathy; Cerebral cortex (Oja, S.S. (629) 355)

$GABA_A$ receptor complex
ω_1 modulatory binding site; γ-Aminobutyric acid enhancement; [^{3}H]Zolpidem binding; Rat central nervous system; Membrane; Autoradiography (Ruano, D. (600) 134)

GABA release
D-Glucose; Norepinephrine release; Serotonin release; Acetylcholine release; $GABA_B$ receptor; Hyperglycemia; Diabetic coma (Fink, K. (618) 220)

$GABA_A$ subunit
Alcohol; Octanol; Benzodiazepine; γ-Aminobutyric acid; Cloned $GABA_A$ receptor; Human kidney cell line (Kurata, Y. (631) 143)

GABA uptake
Nicotine; Pilocarpine; Nucleus basalis lesion; Neuronal density (Sjak-Shie, N.N. (624) 295)

GAD67 mRNA
In situ hybridization; Grain counting; Glutamic acid decarboxylase activity; Prelimbic area; Anterior cingulate area (Retaux, S. (611) 187)

Galactose neuropathy
Blood–nerve barrier; Edema; Permeability-surface area product (Mizisin, A.P. (618) 109)

Galanin
Neuropeptide; Receptor antagonist; Receptor binding; Feeding; Behavior; Hypothalamus (Crawley, J.N. (600) 268)

Intrathecal injection; Mechanical nociception; Thermal nociception; Oxytocin level; Immunohistochemistry (Lundeberg, T. (608) 181)

Substance P; Ascending reticular cholinergic system; Pedunculopontine tegmental nucleus; Human brainstem (Gai, W.P. (618) 135)

Estradiol; Testosterone; Medial preoptic area; Sex difference; Immunohistochemistry (Bloch, G.J. (620) 259)

Water maze; Choline acetyltransferase activity; Thyrotrophin-releasing hormone; Indoleamine (Aspley, S. (622) 330)

Hypothalamus; Obesity; Overeating; Growth hormone; Insulin; Hypothalamo-pituitary-adrenal axis; Fasting (Beck, B. (623) 124)

Human pituitary; Receptor; Binding (Hulting, A.-L. (625) 173)

Galanin fragment
Acetylcholine; Hippocampus (Girotti, P. (612) 258)

Galanin mRNA
In situ hybridization; Gonadal steroids (Miller, M.A. (611) 338)

Gamma-aminobutyric acid
Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Picrotoxin; Heart rate; Respiration (Shekhar, A. (627) 9)

Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Heart rate; Blood pressure; Atenolol; Benzodiazepine (Shekhar, A. (627) 17)

Ganglion cell layer
Circadian rhythm; Immediate early gene; Suprachiasmatic nucleus; Light induction; Endogenous expression; Phase shift (Chambille, I. (612) 138)

Ganglionic transmission
NADPH diaphorase; Sympathetic postganglionic neuron; Autonomic nervous system (Anderson, C.R. (614) 78)

Ganglioside
Maternal alcohol exposure; Rehabilitation; Glycosidase; Cerebrum; Cerebellum; Brainstem (Prasad, V.V.T.S. (610) 75)

Monoclonal antibody; Cholinergic; Spinal cord; Glycoconjugate; Sialic acid (Kusunoki, S. (623) 83)

GAP-43
B-50; Axotomy; Schwann cell; Peripheral nerve regeneration (Plantinga, L.C. (602) 69)

Lewy body variant of Alzheimer's disease; Aberrant sprouting; Amyloid precursor protein; Alzheimer's disease (Masliah, E. (617) 258)

Nerve injury; Dental pulp; Blood flow; Laser Doppler; Neuropeptide; Neurotrophin receptor; Cat; Immunohistochemistry (Olgart, L. (625) 109)

Dorsal root ganglion; Regeneration; Unmyelinated fiber (Chung, K. (632) 80)

Gastric erosion
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Aphagia; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Gastrin-releasing peptide
Bombesin; Suprachiasmatic nucleus; Single-unit recording; Brain slice (Tang, K.-C. (614) 125)

Gastropod
Neural outgrowth; Feeding; Learning; Behavior (Baker, M.W. (623) 311)

GBR12909
Hypothalamo-pituitary-adrenal; Dopamine uptake; Hypothalamic dopamine neuron; Adrenocorticotropic hormone (Borowsky, B. (613) 251)

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[^{3}H]GBR12935 binding
Amphetamine psychosis; Behavioral sensitization; Methamphetamine; Dopamine uptake site (Nakayama, M. (601) 209)

Gel electrophoresis
DNA fragmentation; Rat; Cerebral ischemia; Endonuclease; Nucleus; Calcium (Tominaga, T. (608) 21)

Gender
Handedness; Forebrain oxygenation; Hemodynamics; Near-infrared spectrophotometry; Mirror drawing task (Okada, F. (601) 337)

Gene delivery system
Retrograde transport; Motoneuron; Plasmid gene construct (Sahenk, Z. (606) 126)

Gene expression
Fos mRNA; c-*Fos*; Protein; Cholinesterase inhibitor; Seizure; Rat brain (Chollat-Namy, A. (603) 32)

Glucocorticoid; Glucocorticoid receptor; Hippocampus; Hypothalamus (Lachman, H.M. (609) 110)

Nerve growth factor; Nerve growth factor mRNA; Central nervous system; Primate (Hayashi, M. (618) 142)

Alzheimer's disease; Nucleus basalis; Senile plaque (Forloni, G. (620) 292)

Cholecystokinin; Morphine; Tolerance; Radioimmunoassay (Ding, X.Z. (625) 139)

Median eminence; Periventricular nucleus; In vitro incubation; Secretion; SRIF; GRF (Aguila, M.C. (625) 213)

Generalization
El mouse; Epilepsy; Parietal cortex; Hippocampus; Depth EEG (Ishida, N. (608) 52)

Generalized absence epilepsy
Thalamus; Cortex; Spike–wave discharge; *N*-Methyl-D-aspartate; Sleep spindle (Coulter, D.A. (631) 137)

Genetically epilepsy-prone rat
Microdialysis; Desipramine; Yohimbine; Extracellular norepinephrine; Extracellular serotonin; Anticonvulsant effect (Yan, Q.-S. (610) 24)

Genetically obese Zucker rat
Immunoreactive insulin; Hypothalamus; Ventromedial nucleus; Paraventricular nucleus; Microdialysis (Gerozissis, K. (611) 258)

Genetic demyelinating disease
Globoid cell leukodystrophy; CD^4 antigen; Myelin; Immunocytochemistry; Autoradiography (Ohno, M. (625) 186)

Genetic factor
Anesthetic; Volatile; Halothane; Chloride channel; Chloride influx; γ-Aminobutyric acid; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Genetics
Ethanol; Non-opioid; MK-801; Dizocilpine; *N*-Methyl-D-aspartate; Stress-induced analgesia; Selective breeding (Mogil, J.S. (602) 126)

Selective breeding; Stress-induced analgesia; Levorphanol; Opioid; Opiate (Marek, P. (608) 353)

Cerebellum; C57BL/6J inbred mouse; DBA/2J inbred mouse; Pattern formation; Recombinant inbred strain (Neumann, P.E. (619) 81)

Cerebellum; C57BL/6J inbred mouse; BALB/cByJ inbred mouse; Pattern formation (Garretson, J.D. (630) 221)

Genetic transfection
Alzheimer's disease; Amyloid; Ruffling; PC12 cell (Maestre, G.E. (621) 145)

Genetic vulnerability
Morphine; Opiate tolerance; Dependence and withdrawal; Cyclic AMP-dependent protein kinase; Adenylate cyclase; G-protein; Neuronal excitability; Inbred rat strain (Guitart, X. (611) 7)

Geniculogeniculate projection
Calcitonin gene-related peptide; Circadian rhythm; Intergeniculate leaflet; Mouse; Suprachiasmatic nucleus (Park, H.T. (629) 335)

Geniculohypothalamic tract
Suprachiasmatic nucleus; Circadian rhythm; Phase response curve; Neuropeptide Y; Retinohypothalamic tract; Single unit (Shibata, S. (615) 95)

Gepirone
5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Metabolism; Serotonin $5\text{-}HT_{1A}$ receptor; Noise (Boadle-Biber, M.C. (628) 105)

Gerbil
α-Tubulin; β-Actin; Messenger RNA; Ischemia; Bifemelane; In situ hybridization histochemistry (Asanuma, M. (600) 243)

Microfluorometry; Rhod-2; Calcium; Hippocampus; Dantrolene; Extracellular DC potential; Ischemia-like condition (Mitani, A. (601) 103)

Heat shock protein (HSP) 70; Heat shock cognate protein (HSC) 70; Ischemia; In situ hybridization (Aoki, M. (601) 185)

cAMP phosphodiesterase; cAMP-dependent protein kinase; Autoradiography; Hippocampus; Cerebral ischemia (Murase, K. (602) 234)

Cerebral ischemia; Brain temperature; Hypothermia (Colbourne, F. (602) 264)

Hippocampus; CA2 region; Selective vulnerability; Cerebral ischemia (Akai, F. (603) 87)

Passive avoidance behavior; Neuronal degeneration; Hippocampus; CA1; Chronic ischemic model (Yamamoto, M. (608) 16)

Delayed neuronal death; Calcium; NMDA receptor antagonist; Microtubule-associated protein 2; Cerebral ischemia (Nakamura, K. (613) 181)

Cortex; Transient forebrain ischemia; Pentobarbital (Hayashi, T. (620) 171)

Transient forebrain ischemia; Manganese superoxide dismutase; Copper-zinc superoxide dismutase; Hippocampus; Ischemic tolerance (Ohtsuki, T. (620) 305)

Cerebral ischemia; Heat shock protein 90; In situ hybridization (Kawagoe, J.-i. (621) 121)

Cerebral ischemia; Brain temperature; Hyperthermia; Anesthesia (Colbourne, F. (623) 1)

Gerstmann–Sträussler–Scheinker disease
Alzheimer's disease; Neurofibrillary tangle; Paired helical filament; Tau; A68 (Tagliavini, F. (616) 325)

GFAP
Excitotoxin; Kainic acid; Immunohistochemistry; Fink–Heimer (silver) degeneration; c-fos; Seafood; Emesis (Scallet, A.C. (627) 307)

Glia; Astrocyte; Hippocampus; Seizure; Epilepsy (Torre, E.R. (631) 256)

Ghost tangle
Tau; Alzheimer's disease; Processing; Abnormal phosphorylation (Endoh, R. (601) 164)

Glia
Interleukin-1; Hypothalamus; Pig; Neuron; Endothelium (Molenaar, G.J. (608) 169)

Evoked potential; Cytochrome; Redox state; Oxygen; 4-Aminopyridine; Neuron; Olfactory cortex slice (Saito, T. (612) 9)

Müller cell; Retina; Proliferation; *N*-Methyl-D-aspartate receptor channel; Glutamate (Uchihori, Y. (613) 212)

Interleukin 1; Interferon; Tumor necrosis factor; Oscillations; Forskolin; Fura-2; Calcium (Holliday, J. (621) 233)

Neuropeptide Y; Brain; Culture; Astrocyte; Neuron; Differentiation (Barnea, A. (625) 313)

Co-culture; Melanin-concentrating hormone-expressing neuron; Arcuate nucleus; Broca diagonal band; Neurotrophic factor; Neurite promoting factor; Neuron (Compagnone, N. (628) 137)

Na^+,K^+-ATPase; Sodium pump; Regulation; Glutamate; Excitotoxicity; Telencephalic culture (Brines, M.L. (631) 12)

Astrocyte; GFAP; Hippocampus; Seizure; Epilepsy (Torre, E.R. (631) 256)

Astrocyte; Ischemia; Hypoxia; Cell death; Arachidonate; Hypothermia (Haun, S.E. (631) 352)

Glial
Caudate-putamen; Excitotoxic lesion; GABA; Ibotenic acid; Intrastriatal microdialysis; Neuronal (Campbell, K. (614) 241)

Glial activation
Fluid percussion; Brain trauma; Lesion volume; Neuronal alteration (Toulmond, S. (620) 24)

Glial cell
Potassium ion activity; Synaptic potential; Glutamate; Cholecystokinin; Tractus solitarius; Nucleus tractus solitarii; Dorsal vagal motor nucleus (Ballanyi, K. (607) 99)

Immune mediator; Electrophysiological property; Membrane potential (Köller, H. (612) 28)

Somatostatin; Hypothalamic culture; Defined medium; Serum supplemented medium; Development (Davidson, K. (624) 75)

Glial differentiation
Gliostatin; Neurotrophic factor; Co-culture; Neuron; Astrocyte (Ueki, T. (622) 299)

Glial fibrillary acidic protein
γ-Aminobutyric acid; Vimentin; Reactive astrocytes and ischemia (Lin, R.C.S. (600) 1)

Astrocyte; Gliosis; Hyperplasia; Hypertrophy (Da Cunha, A. (600) 161)

Neutral endopeptidase 24.11; Transplantation; Cortex; Ventral mesencephalon; CALLA; Enkephalinase; Transforming growth factor α (Back, S.A. (612) 85)

Odor preference formation; Olfactory bulb; Early learning; Glomerulus; 2-Deoxyglucose; Immunohistochemistry (Matsutani, S. (613) 317)

Spreading depression; mRNA; MK-801 (Bonthius, D.J. (618) 83)

Myelin; Hypomyelinating mutant; Caprine β-mannosidosis; Myelin basic protein; Myelin-associated glycoprotein; Proteolipid protein; 2′,3′-Cyclic nucleotide 3′-phosphodiesterase (Sasaki, M. (620) 127)

Astrocyte; Alzheimer's disease; α_1-Antichymotrypsin; Cathepsin G; Gliosis; Serine protease; Protease inhibitor (Abraham, C.R. (621) 222)

Neurotoxicity; Microglia; Paroxetine; Immunoblot; 5,7-Dihydroxytryptamine (Rowland, N.E. (624) 35)

Glial growth factor
Schwann cell; Cell proliferation; Protein kinase C; Diacylglycerol; Protein kinase inhibitor (Yoshimura, T. (617) 55)

Glial maturation
Astrocyte; Ensheathing cell; Retinal ganglion neuron; SV40 large T antigen; Retroviral vector (Goodman, M.N. (619) 199)

Glial process
Astrocyte; Endothelin; Dibutyryl cAMP; Stellation (Koyama, Y. (600) 81)

Glial reaction
Nitric oxide; Neuronal induction; Long-term potentiation; Rat (Regidor, J. (631) 171)

Glibenclamide
K_{ATP} channel; Diazoxide; Cromakalim; Neuromuscular junction (Salgado, D. (609) 307)

Dorsal raphe nucleus; In vitro recording; Gliquidone; Lemakalim; K(ATP) channel; Serotonin neuron; GABA (Haj-Dahmane, S. (614) 270)

Glibenclamide binding
Cerebral microvessel; Blood–brain barrier; Brain endothelium; Potassium channel (Sullivan, H.C. (612) 336)

Glioma
Glucocorticoid; Angiogenesis; Endothelial cell; Protease (Wolff, J.E.A. (604) 79)

Gliosis
Astrocyte; Glial fibrillary acidic protein; Hyperplasia; Hypertrophy (Da Cunha, A. (600) 161)

Mouse; Brain; Aging; White matter; Caloric restriction (Bronson, R.T. (609) 124)

Astrocyte; Alzheimer's disease; α_1-Antichymotrypsin; Cathepsin G; Glial fibrillary acidic protein; Serine protease; Protease inhibitor (Abraham, C.R. (621) 222)

Cell adhesion molecule; Kainate treatment; Astrocyte; Mossy fiber sprouting (Niquet, J. (626) 106)

Cytokine; Frontal cortex (Da Cunha, A. (631) 39)

Gliostatin
Neurotrophic factor; Co-culture; Neuron; Astrocyte; Glial differentiation (Ueki, T. (622) 299)

Gliquidone
Dorsal raphe nucleus; In vitro recording; Glibenclamide; Lemakalim; K(ATP) channel; Serotonin neuron; GABA (Haj-Dahmane, S. (614) 270)

Globoid cell leukodystrophy
Genetic demyelinating disease; CD^4 antigen; Myelin; Immunocytochemistry; Autoradiography (Ohno, M. (625) 186)

Globus pallidus
Subthalamic nucleus; Substantia nigra pars reticulata; Basal ganglia; Excitatory amino acid; Glutamate; Receptor; Autoradiography (Price Jr., R.H. (602) 157)

Acidic fibroblast growth factor; Basic fibroblast growth factor; Huntington's disease; Neostriatum; Astrocyte; Neuron; Substantia nigra (Tooyama, I. (608) 78)

Acidic fibroblast growth factor; Basic fibroblast growth factor; Huntington's disease; Neostriatum; Astrocyte; Neuron; Substantia nigra (Tooyama, I. (610) 1)

Motor cortex; Premotor area; Supplementary motor area; Prefrontal area; Putamen; Caudate nucleus; Monkey (Yoshida, S.-i. (611) 170)

Ventral pallidum/substantia innominata; Lateral hypothalamus; Quinolinic acid; Ibotenic acid; Excitotoxin lesion; Aphagia; Feeding behavior; Taste aversion (Cromwell, H.C. (624) 1)

Substantia nigra pars reticulata; Subthalamic nucleus; Basal ganglia (Ryan, L.J. (626) 327)

Fos; D_1 receptor; D_2 receptor; Supersensitivity; Dopamine; Immediate–early gene (Marshall, J.F. (632) 308)

Glomerulus
Odor preference formation; Olfactory bulb; Early learning; Glial fibrillary acidic protein; 2-Deoxyglucose; Immunohistochemistry (Matsutani, S. (613) 317)

Glomoid cell
Cyanide; Chemostimulation; Histotoxic hypoxia; Catecholamine (Donnelly, D.F. (630) 157)

Glomus cell
Carotid body; Intracellular pH; Membrane potential (He, S.-F. (601) 353)

Carotid body; Intercellular coupling (Monti-Bloch, L. (622) 119)

Carotid body; Hypoxia; Intracellular pH; Membrane potential (Pang, L. (623) 349)

Glossopharyngeal nerve
Salt stimulus; Integrated response; Adaptation; Inhibition; 5′-GMP; Bullfrog (Miyamoto, T. (629) 345)

Glucagon
2-Deoxyglucose; Intracerebroventricular; Neuroglucopenia; Glucose metabolism; Protein metabolism; Insulin; Catecholamine; Dog (Molina, P.E. (614) 99)

Paraventricular nucleus of the hypothalamus; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Glucocorticoid
Calcium; Neurotoxicity; Corticosterone; Stress; Hippocampus (Elliott, E.M. (602) 84)

Angiogenesis; Glioma; Endothelial cell; Protease (Wolff, J.E.A. (604) 79)

Neuropathology; Blood glucose; Glutathione peroxidase; Catalase; Superoxide dismutase (Tuor, U.I. (604) 165)

Culture; Spinal cord injury; Neurite transection; Axotomy; Dendrotomy (Rosenberg-Schaffer, L.J. (605) 327)

Glucocorticoid receptor; Gene expression; Hippocampus; Hypothalamus (Lachman, H.M. (609) 110)

Mineralocorticoid; Inward rectifier; A-current; Delayed rectifier; Patch clamp; Hippocampal slice (Karst, H. (612) 172)

Dexamethasone; Cocaine; Kindling; Sensitization (Kling, M.A. (629) 163)

Repeated stress; Corticotropin-releasing hormone; Vasopressin; Paraventricular nucleus; Adrenocorticotropin (Kiss, A. (630) 262)

Glucocorticoid receptor
Steroid; Mineralocorticoid receptor; Primary culture; Cortex; Hippocampus; Serotonin; Rat; Brain (Vedder, H. (605) 18)

Glucocorticoid; Gene expression; Hippocampus; Hypothalamus (Lachman, H.M. (609) 110)

Mineralocorticoid receptor; Neurogenesis; Hippocampus; Adrenal hormone; Thymidine (Cameron, H.A. (611) 342)

Corticosterone; Mineralocorticoid receptor; Paraventricular nucleus; Feeding; Carbohydrate; Fat (Tempel, D.L. (614) 197)

Hypothalamic-pituitary-adrenal axis; Mineralocorticoid receptor; Corticosteroid-binding globulin; Stress response; Diurnal rhythm; Rat strain; Neuro-immune (Dhabhar, F.S. (616) 89)

Corticosteroid; Mineralocorticoid receptor; Hippocampus; RU 28362; RU 26752; Corticosterone; Dexamethasone (Jacobson, L. (625) 84)

Corticosteroid; Pain; Immunocytochemistry; Immediate early gene; C-fiber stimulation; Nociception; Primary sensory neuron (Cintra, A. (632) 334)

Gluconeogenesis
Interleukin-1; Glucose production; Glucose utilization; Prostaglandin; Indomethacin; Lactate; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

Ventromedial nucleus; Carbachol; Neostigmine; Adrenal medulla; Glucose; Lactate (Brito, N.A. (626) 339)

Glucose
Microdialysis; Cerebral blood flow; Hydrogen clearance; Unanaesthetised; Rat brain; Tail pinch; Restraint stress (Fellows, L.K. (604) 225)

Anorexia; Diabetes-associated peptide; Corpus striatum; Hypothalamus; 3-Methoxytyramine; Dopamine; Serotonin; Calcitonin gene-related peptide (Chance, W.T. (607) 185)

Hypoxia; Hypoglycemia; Calcium; Cortex; Cell culture (Birrell, G.J. (607) 337)

Lactate; Hypoxia; Hippocampus; Ion transport; Oxidative phosphorylation; Energy metabolism (Roberts Jr., E.L. (620) 251)

Ventromedial nucleus; Carbachol; Neostigmine; Adrenal medulla; Gluconeogenesis; Lactate (Brito, N.A. (626) 339)

Cholecytokinin; Cerebrospinal fluid; Spinal cord; Eating; Depression; Alcoholism; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Cerebellar granule cell; Dendrite; Energy metabolism; Neuron; Ouabain; Potassium (Peng, L. (629) 331)

D-Glucose
GABA release; Norepinephrine release; Serotonin release; Acetylcholine release; $GABA_B$ receptor; Hyperglycemia; Diabetic coma (Fink, K. (618) 220)

Glucose deprivation
Cysteate; Cysteine; Hypoxia; Neurotoxicity; *N*-Methyl-D-aspartate receptor subset (Schurr, A. (601) 317)

AMPA; Hippocampal slice; Hypoxia; Kainate; Neuronal damage (Schurr, A. (614) 10)

Glycolytic blockade; Deoxyglucose (Breier, A. (618) 277)

Glucose metabolic rate
Monosialoganglioside GM_1; Cerebral metabolism; Excitatory amino acid; Hippocampus (Freo, U. (621) 175)

Glucose metabolism
2-Deoxyglucose; Intracerebroventricular; Neuroglucopenia; Protein metabolism; Insulin; Glucagon; Catecholamine; Dog (Molina, P.E. (614) 99)

Alzheimer's disease; PET; Behavior; Dementia (Jagust, W.J. (629) 189)

Glucose production
Interleukin-1; Gluconeogenesis; Glucose utilization; Prostaglandin; Indomethacin; Lactate; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

Glucose-regulated protein
Aging; Astrocyte; αB-crystallin; Cysteamine; Heat shock protein; Ubiquitin (Mydlarski, M.B. (627) 113)

Glucose utilization
Suprachiasmatic nucleus; Circadian rhythm; Tetrodotoxin; Single unit activity; In vitro (Shibata, S. (606) 259)

Interleukin-1; Glucose production; Gluconeogenesis; Prostaglandin; Indomethacin; Lactate; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

GluR1
Immunocytochemistry; Circadian rhythm; Hypothalamus; Excitatory amino acid (Gannon, R.L. (622) 337)

6-Cyano-7-nitroquinoxaline-2,3-dione; Kainate; α-Amino-3-hydroxy-5-methylisoxazole-4-propionate; Glutamate receptor; Autoradiography; *Xenopus* brain (Barnes, J.M. (626) 259)

mGluR1
Somatic sensation; Monoclonal antibody; Immunoblotting; Immunohistochemistry; Trigeminal ganglion (Araki, T. (627) 341)

mGluR2 mRNA
Metabotropic glutamate receptor; cAMP; Forskolin; Brain slice (Genazzani, A.A. (622) 132)

Glutamate
Immunocytochemistry; Supraoptic nucleus; Vasopressin; Neuroendocrine; Hypothalamus; Rat; Electron microscopy (Meeker, R.B. (600) 112)

Hippocampus; Epileptiform; Seizure; GABA; Inhibition (Morrisett, R.A. (600) 235)

Subthalamic nucleus; Substantia nigra pars reticulata; Globus pallidus; Basal ganglia; Excitatory amino acid; Receptor; Autoradiography (Price Jr., R.H. (602) 157)

Calcium; Neurotoxicity; Amphetamine; Anticonvulsant; Voltage-sensitive channel (Finnegan, K.T. (603) 134)

Circadian rhythm; Entrainment; Retinohypothalamic tract; Suprachiasmatic nucleus; Electrophysiology (Meijer, J.H. (603) 284)

Striatum; Quinolinate excitotoxicity; Endogenous acetylcholine release; Tachykinin (Arenas, E. (603) 317)

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Regional superfusion; Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Analgesia; Nociception; GABA; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

NMDA; Phencyclidine-like; Polyamine; Glutamate; Cannabinoid; $^{45}Ca^{2+}$ influx (Nadler, V. (622) 79)

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Glycosylphosphatidylinositol-specific phospholipase C
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Opioid receptor; Nervous system; Growth; Opioid growth factor; Development; Brain; Zeta (ζ) receptor; Biochemistry; Antibody; Immunocytochemistry (Zagon, I.S. (630) 295)

Growth hormone
Ca^{2+} current; Somatotroph; Acromegaly; Patch-clamp; Electrophysiology (Chen, C. (604) 345)

Aging; Brain; Human; Molecular size; Receptor; Sex difference (Lai, Z. (621) 260)

Median eminence; Periventricular nucleus; In vitro incubation; Negative short-loop feedback; GRF; Somatostatin (Aguila, M.C. (623) 89)

Galanin; Hypothalamus; Obesity; Overeating; Insulin; Hypothalamo-pituitary-adrenal axis; Fasting (Beck, B. (623) 124)

Growth hormone-releasing factor
Stimulus–secretion coupling; Luteinizing hormone; Hypothalamus; Median eminence (Dickson, S.L. (623) 95)

Growth inhibitory factor
Neuronal cell survival; Rat cortical neuronal cell culture; Human brain extract; Cerebrospinal fluid; Senile dementia of Alzheimer's type (Pauwels, P.J. (610) 8)

GTP
Photoreceptor; Second messenger; Transduction; Crayfish; Calcium; Inositol trisphosphate; Caudal photoreceptor (Kruszewska, B. (618) 32)

GTP analog
Opioid receptor; Alzheimer's disease; Amygdala; Frontal cortex; Putamen; Autoradiography; Human brain (Barg, J. (632) 209)

GTPase
Tetrahydrocannibinol; Cerebellar granule cell; G protein; Adenylyl cyclase; Weaver mutant; Staggerer mutant; Pertussis toxin (Pacheco, M.A. (603) 102)

GTPγS
Angiotensin II receptor; Angiotensin-converting enzyme; Choroid plexus; Pituitary; Subfornical organ (Tsutsumi, K. (631) 212)

Guanine nucleotide
Dorsal horn; Substance P receptor; Desensitization (Holland, L.N. (600) 89)

Guanine nucleotide-binding protein
Reeler mutant mouse; Second messenger system; Neurological mutant mouse (Terashima, T. (601) 136)

Guanine nucleotide binding protein
Alcoholic; Immunoblotting; Photoaffinity labeling; Ethanol; Transmembrane signaling (Ozawa, H. (620) 174)

Guanosine nucleotide analog
Adenylate cyclase; cAMP; Forskolin; Aging; Rat; Striatum; Nucleus accumbens (Sugawa, M. (618) 57)

Guanylate cyclase
Interleukin-1; Tumor necrosis factor; Nitric oxide synthase; Astrocytoma cell (Vigne, P. (606) 332)

Guanylyl-5′-imidodiphosphate
Forskolin; Human brain; Caudate; Autoradiography (Stockmeier, C.A. (610) 156)

Guinea pig
Cerebellum; Purkinje cell; Non-ataxic; Exploratory behavior; Tonic-clonic seizure; Immune response (Lev-Ram, V. (606) 325)

Type I hair cell; Vestibular system; Semicircular canal; γ-Aminobutyric $acid_B$; Ionic current; Cytosolic calcium (Lapeyre, P.N.M. (609) 269)

Aging; δ Opioid receptor; Autoradiography; Motor circuitry (Hiller, J.M. (614) 86)

Auditory nerve fiber; Spontaneous discharge rate; Intensity increment; Adaptation (Winter, I.M. (618) 167)

Long-term potentiation; Carbachol; Muscarinic receptor subtype; Hippocampal slice; CA3 region (Maeda, T. (619) 324)

Protooncogene; Immunohistochemistry; Neocortex; Hippocampus; Rat (Mihály, A. (627) 225)

Lordosis; Noradrenergic; Preoptic area; Hypothalamus (Malik, K.F. (628) 26)

Sensory neocortex; Epilepsy; Spread; Optical recording method; Voltage-sensitive dye (Albowitz, B. (631) 329)

Macrophage; Kynurenine pathway; Indoleamine-2,3 dioxygenase; Spinal cord trauma (Blight, A.R. (632) 314)

Gustatory
Taste; Somatosensory; Tactile; Rat; Multiunit neural activity; Nucleus of the solitary tract (Halsell, C.B. (632) 161)

Gyrencephalic
κ_1 Opioid agonist; Neuroprotection; Cerebral ischemia; CI-977; Glutamate (Mackay, K.B. (618) 213)

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H7
Glutamate neurotoxicity; Protein kinase C; Calphostin C (Felipo, V. (604) 192)

HA-966
N-methyl-D-aspartate receptor; Cerebellar granule cell culture; 1-Aminocyclopropanecarboxylic acid; Desensitization neurotoxicity (Boje, K.M. (603) 207)

Habituation
Nucleus accumbens; Microdialysis; Rat; Restraint; Depression (Imperato, A. (601) 333)

Olfactory bulb; Norepinephrine; Dopamine; 6-Hydroxydopamine; Recognition; Male rat; Testosterone (Guan, X. (622) 51)

Acoustic startle response; t-ACPD; Amygdala; Anxiety; Fear; Metabotropic glutamate receptor; Rat (Koch, M. (629) 176)

Hadronyche versutus
Funnel web spider; Versutoxin; Neurotoxin; Synaptic potential; Locus coeruleus; Laterodorsal tegmental nucleus; Trigeminal nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

Hair cell
Dihydrostreptomycin; Mechano-electric transduction channel; Adaptation (Kimitsuki, T. (624) 143)

Haloperidol
Conditioned avoidance response; Lever-release; Striatum; Unit activity (White, I.M. (616) 71)

Aging; Neurotensin; Striatum; Nucleus accumbens; Dopamine receptor; Fischer 344; In situ hybridization (Dobie, D.J. (616) 105)

Absence epilepsy; Cerebral glucose utilization; 2-Deoxyglucose; Ethosuximide (Nehlig, A. (618) 1)

Amphetamine; Freely moving rat; Intrastriatal infusion; Single-unit recording; Striatum (Wang, Z. (627) 79)

Risperidone; Clozapine; 5-HT_2 receptor; Dopamine D_2 receptor (Schotte, A. (631) 191)

Halothane
Anesthetic; Volatile; Chloride channel; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Selective breeding; Anesthetic action (Quinlan, J.J. (610) 224)

Halothane dose
In vivo microdialysis; Dopamine release; Striatum; Anesthesia state; Blood pressure (Miyano, K. (605) 342)

Hamster
Suprachiasmatic nucleus; Neurophysiology; Melatonin; Pineal gland; Circadian rhythm (Rusak, B. (602) 200)

Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; Ontogeny; Circadian; Neuropeptide; Rat; Prenatal; Entrainment (Robinson, M.L. (605) 271)

Cholinergic basal forebrain afferent; Bank vole; Yellow necked wood mouse; Rabbit (Garrett, B. (609) 341)

Circadian rhythm; Acetylcholine; Mecamylamine; Fos immunoreactivity (Zhang, Y. (615) 107)

Suprachiasmatic nuclei; Serotonin; Glutamate; Quipazine; Fos; Light (Selim, M. (621) 181)

Benzodiazepine; Chlordiazepoxide; Circadian; Phase-shift; Wheel-running (Biello, S.M. (622) 58)

Intergeniculate leaflet; Photic response; Entrainment; Serotonin; Melatonin; 5-HT receptor; Microiontophoresis (Ying, S.-W. (628) 8)

Pinealectomy; Constant light exposure; Suprachiasmatic nucleus; Pars tuberalis (Duncan, M.J. (631) 107)

Estrogen receptor; Immunocytochemistry; Preoptic area; Hypothalamus; Amygdala (Li, H.-Y. (631) 304)

Handedness
Gender; Forebrain oxygenation; Hemodynamics; Near-infrared spectrophotometry; Mirror drawing task (Okada, F. (601) 337)

δ-HCH antagonism
Lindane; Convulsion; Calcium channel blocker; Calmodulin antagonist (Tusell, J.M. (622) 99)

H-current
Serotonin; Purkinje cell; Voltage clamp; Cerebellar brain slice; Inward rectifying current (Li, S.-J. (617) 87)

Head twitching
Allylnitrile; 5,7-Dihydroxytryptamine; *N*-(2-Chloroethyl)-*N*-ethyl-2-bromobenzylamine; 5-Hydroxytryptamine; Noradrenaline (Tanii, H. (626) 265)

Hearing impairment
Inferior colliculus; Superior colliculus; Avian auditory system; Sound localization; Plasticity; Learning (Mogdans, J. (619) 29)

Heart
U-50,488H; Tolerance-dependence; Dynorphin (1–13); Brain region; Pituitary; Spinal cord; Adrenal; Kidney (Bhargava, H.N. (600) 151)

Heart rate
Mean circulatory filling pressure; Blood pressure; Venous tone; Central nervous system electrical stimulation (Martin, D.S. (604) 318)

Arginine vasotocin and related neuropeptides; Central nervous system; Blood pressure; Vasopressin V_1 receptor; Trout (Le Mevel, J.-C. (610) 82)

Morphine; Vagus; Antinociception; Blood pressure (Thurston, C.L. (612) 70)

t-ACPD; AMPA; AP-7; Blood pressure; DNQX; Kainate; NMDA; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

Central amygdaloid nucleus; Behavior; Catecholamine; Corticosterone; CRH; Microinfusion; CRH antagonist (Wiersma, A. (625) 219)

AMPA; AP-7; Blood pressure; DNQX; Epinephrine; Glutamate; Kainate; Mesenteric artery; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Picrotoxin; Respiration (Shekhar, A. (627) 9)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Blood pressure; Atenolol; Benzodiazepine (Shekhar, A. (627) 17)

Heart rate conditioning
Medial geniculate nucleus; Acoustic thalamus; Ibotenic acid lesion; Electrolytic lesion; Rabbit (McCabe, P.M. (619) 291)

Heat exchanger
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Heat shock cognate protein (HSC) 70
Heat shock protein (HSP) 70; Ischemia; Gerbil; In situ hybridization (Aoki, M. (601) 185)

Heat-shock protein
Alz-50; Striatum; Immunohistochemistry; NADPH diaphorase; Tau protein (Nelson, P.T. (600) 285)

Heat shock protein 70
Heat shock cognate protein (HSC) 70; Ischemia; Gerbil; In situ hybridization (Aoki, M. (601) 185)

Heat-shock protein 72
Cerebral ischemia; Rat (Tomioka, C. (612) 216)

Cerebral ischemia; Induced tolerance; Hypoperfusion; Stroke-resistant gerbil (Ohtsuki, T. (614) 279)

Cerebral ischemia; Hippocampus; Selective vulnerability; Stress response; Mongolian gerbil (Kato, H. (615) 240)

Cerebral ischemia; Ischemic tolerance; Northern blotting; Rat; Immunohistochemistry; Western blotting (Nishi, S. (615) 281)

Middle cerebral artery occlusion; Ischemia; mRNA; In situ hybridization; Immunocytochemistry (Kinouchi, H. (619) 334)

Heat shock protein 90
Cerebral ischemia; Gerbil; In situ hybridization (Kawagoe, J.-i. (621) 121)

Drug-induced hyperthermia; Hippocampus; Methamphetamine; Mouse brain; Immunohistochemistry (Goto, S. (626) 351)

Aging; Astrocyte; αB-crystallin; Cysteamine; Glucose-regulated protein; Ubiquitin (Mydlarski, M.B. (627) 113)

Heat shock protein 72 kDa
Immunocytochemistry; Neurotoxicity; Seizure (Goodman, J.H. (616) 263)

α-Helical CRF_{9-41}
Neuropeptide Y; Corticotropin-releasing factor; Feeding; Paraventricular nucleus; Ventromedial hypothalamus; Dexamethasone; Rat (Heinrichs, S.C. (611) 18)

CRF; Noradrenaline; MHPG-SO_4; Stress; Brain region; Corticosterone; CRF antagonist (Emoto, H. (627) 171)

Helix
Lectin; Acetylcholine receptor; Concentration clamp; Desensitization; α-Bungarotoxin (Arvanov, V.L. (615) 252)

Hematopoietic factor
Granulocyte colony-stimulating factor; Macrophage colony-stimulating factor; Erythropoietin; Erythroid differentiation factor; Neurotrophic factor; Cholinergic neuron (Konishi, Y. (609) 29)

Hemicholinium
MDL 26,479; Basal forebrain; Benzodiazepine receptor; Learning; Vesamicol (Holley, L.A. (610) 181)

Hemicholinium-3
Acetylcholine; Choline transport; Cholinergic; Synaptosome (Rylett, R.J. (626) 184)

Hemicholinium-3 binding site
Cerebral cortex; Choline acetyltransferase; Choline transporter site; Cholinergic nerve terminal; Hippocampus; Midbrain; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Hemiparkinsonism
Fluorodihydroxyphenylalanine; Positron emission tomography; Catecholamine metabolism; Catechol-*O*-methyltransferase; Nitecapone; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (Miletich, R.S. (626) 1)

Hemispheric asymmetry
Human vision; Unmasking; Magnetic coil (Amassian, V.E. (605) 312)

Hemodynamics
Gender; Handedness; Forebrain oxygenation; Near-infrared spectrophotometry; Mirror drawing task (Okada, F. (601) 337)

Hemoglobin
Cultured neuron; Nitroarginine; Intracellular calcium; Glutamate; Cyclic GMP (Tanaka, T. (631) 72)

Hemolymph
Spider nervous system; Octopamine; Neuroanatomy; Immunocytochemistry; High-pressure liquid chromatography; *Cupiennius salei* (Seyfarth, E.-A. (611) 197)

Hemorrhage
Vasopressin; Ventrolateral medulla; Electron microscopy; Arterial blood pressure (Gómez, R.E. (604) 90)

Subfornical organ; Paraventricular nucleus; Angiotensin II; Saralasin; Microiontophoresis; Baroreceptor reflex (Tanaka, J. (608) 141)

Spinally projecting neuron; Paraventricular nucleus; Rostral ventrolateral medulla; Fos (Badoer, E. (610) 216)

Dynorphin; Central nervous system; Endogenous opioid peptide; Hypotension; Nucleus ambiguus (Samuels, S. (613) 54)

Dynorphin A(2–17); Nucleus tractus solitarii; Blood pressure (Fan, L. (623) 110)

Cerebral vascular resistance; Anesthetic; Inhalational; Isoflurane; Vasodilator; Nitric oxide (Chi, O.Z. (630) 214)

Heparan sulfate
Alzheimer's disease; Amyloid; Glycosaminoglycan; Proteoglycan; SKNSH-SY 5Y neuroblastoma cell (Buée, L. (601) 154)

Alzheimer's disease; Amyloid; Proteoglycan (Buée, L. (627) 199)

Hepatic
Portal; Osmoreceptor; Vagus; Dorsal motor nucleus of the vagus; Rat (Kobashi, M. (632) 174)

Hepatic encephalopathy
Hyperammonemia; Glutamate dehydrogenase; Brain mitochondria (Faff-Michalak, L. (618) 299)

Monoamine oxidase; Monoamine oxidase A; Monoamine oxidase B; Post-mortem human brain; Serotonin metabolism (Rao, V.L.R. (621) 349)

$GABA_B$ receptor; $GABA_A$ receptor; Cerebral cortex (Oja, S.S. (629) 355)

Herbimycin A
Lavendustin A; Tyrosine kinase; Long-term potentiation; Dentate gyrus; Anesthetized rat (Abe, K. (621) 167)

Herbst corpuscle
Calretinin; Calbindin D-28k; Dorsal root ganglia; Muscle spindle; Rapid adaptation (Duc, C. (622) 321)

Hering–Breuer reflex
Periaqueductal gray; Respiration; Vocalization; Midbrain; Larynx; Upper airway reflex; Excitatory amino acid; Defence (Davis, P.J. (607) 61)

Hermissenda
Protein kinase C; Serotonin; Long-term enhancement; Kinase inhibitor (Crow, T. (613) 61)

Serotonin; Discrete wave; Photoreceptor; Enhancement; Poisson process (Crow, T. (628) 305)

Herpes simplex virus
Fluoro-Gold; Mouse; Retrograde transport; Antiviral (LaVail, J.H. (625) 57)

Heterograft
Suprachiasmatic nucleus; Neural transplantation; Fetal hypothalamic graft; Fiber outgrowth (Sollars, P.J. (614) 212)

Hexachlorocyclohexane isomer
Noradrenaline release; GABAergic convulsant agent; Diazepam; Hippocampal slice (Cristòfol, R.M. (606) 237)

Hexamethonium
Bed nucleus; ACh; Atropine; Amygdala stimulation (Casada, J.H. (631) 124)

Hexobarbital
Maturation; Age; Diazepam; EEG threshold; Rat; Tolerance development (Korkmaz, S. (600) 345)

Hexokinase
Astroglia; Glycogen; Lactate (Dringen, R. (623) 208)

[^{3}H]Hemicholinium-3
Volkensin; Suicide transport; Striatum; Cholinergic interneuron (Harrison, M.B. (630) 169)

5-HIAA
Alcohol; Opiate antagonist; Microdialysis; Serotonin; Dopamine metabolite (Benjamin, D. (621) 137)

5-Hydroxytryptophan; Serotonin (5-HT); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Metabolism; Gepirone; Serotonin 5-HT_{1A} receptor; Noise (Boadle-Biber, M.C. (628) 105)

High-affinity choline uptake
Aging; Choline acetyltransferase; Spatial learning; Hippocampus; Cortex; Striatum (Dunbar, G.L. (604) 266)

High-affinity state
Aging; Rat; Striatum; Dopamine receptor; Dopamine D_1 receptor; Dopamine D_2 receptor; Adenylate cyclase (May, T. (604) 106)

High K^+ stimulation
Rat cerebellar granule cell; Intracellular free calcium concentration; Calcium uptake; Inositol trisphosphate; Inositol pentakisphosphate; Inositol hexakisphosphate; Central nervous system (Sasakawa, N. (623) 155)

High-performance liquid chromatography
Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Sandwich-enzyme immunoassay; Monoclonal antibody; Regional distribution; Central nervous system; Rat (Masuo, Y. (602) 57)

Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; Noradrenaline; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Spider nervous system; Octopamine; Neuroanatomy; Immunocytochemistry; Hemolymph; *Cupiennius salei* (Seyfarth, E.-A. (611) 197)

Dopamine; Lateral olivocochlear system; Noise stimulus; Cochlea; Electrochemical detection; Rat (Gil-Loyzaga, P. (623) 177)

Dopamine; Apomorphine; D-Amphetamine; Rotation behavior; Parkinson's disease; Movement disorder (Hudson, J.L. (626) 167)

High pressure neurological syndrome
Primate; CGP 39551; NMDA receptor; EEG; Behavioral observation (Pearce, P.C. (622) 177)

High threshold cell
Pain; Human thalamus; Ventral posterior nucleus; Microstimulation; Wide dynamic range cell; Single neuron analysis; Thermoreception (Lenz, F.A. (623) 235)

High threshold ventral root potential
Spinal cord; In vitro; Neurokinin; Windup (Thompson, S.W.N. (625) 100)

High voltage activated calcium channel
Low voltage activated calcium channel; Sodium channel; Potassium channel; Calcium dependent potassium channel; Primary sensory neuron; Spinal cord; Lamprey (Christenson, J. (608) 58)

High voltage spindle
Nicotine; Spike wave discharge; High-voltage spindle; Mecamylamine; Cotinine; Rat; EEG (Radek, R.J. (625) 23)

High-voltage spindle
Nicotine; Spike wave discharge; High voltage spindle; Mecamylamine; Cotinine; Rat; EEG (Radek, R.J. (625) 23)

Hindbrain
Serotonin; Agonist; Food intake; Ingestion (Edwards, G.L. (628) 321)

Hindlimb flexor reflex
6-Hydroxydopamine; Spinal cord; Motor reflex; α_1 Receptor (Simmons, K.E. (611) 231)

Hindlimb paralysis
Dynorphin; Opioid; Tail-flick reflex; Isobolographic analysis (Qu, Z.-X. (610) 340)

Hippocampal CA1 cell
Δ^9-Tetrahydrocannabinol; (−)-CP-55,940; Reinforcement; Operant conditioning; Extracellular recording; Marijuana; Cannabinoid receptor (Xue, B.G. (626) 272)

Hippocampal degeneration
Monosodium glutamate; Discrimination learning; Rat (Kubo, T. (616) 311)

Hippocampal formation
Calbindin-like immunoreactivity; Interneuron; Projection neuron; Paridae and corvidae; Food-storing behaviour (Montagnese, C.M. (614) 291)

Psychostimulant; Weight gain; Volume; Rat; Discriminant function analysis (Tavares, M.A. (619) 137)

Dopamine β-hydroxylase; Phenylethanolamine *N*-methyltransferase; Dentate gyrus; Entorhinal cortex; Transgenic mice; Electron microscopic immunocytochemistry (Arai, R. (621) 141)

Axonal dystrophic neurite; Tau; Paired helical filament; Immunocytochemistry; Neuropathology; Alzheimer's disease (Su, J.H. (625) 228)

Hippocampal neuron
Interleukin; Lymphokine; Neurotrophic; Neuronal survival (Araujo, D.M. (600) 49)

Phenytoin; Cytoskeleton; Cell viability (Bahn, S. (615) 160)

Ethanol; Calcium channel; Short-sleep mice; Long-sleep mouse; Tolerance (Huang, G.-J. (615) 328)

Hippocampal slice
Long-term potentiation; CA1 neuron; α-Tocopherol; L-Ascorbic acid; Free radical; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Associativity; Bicuculline; Disinhibition; Distal dendrite; Stratum moleculare (Colbert, C.M. (606) 87)

Noradrenaline release; Hexachlorocyclohexane isomer; GABAergic convulsant agent; Diazepam (Cristòfol, R.M. (606) 237)

Mineralocorticoid; Glucocorticoid; Inward rectifier; A-current; Delayed rectifier; Patch clamp (Karst, H. (612) 172)

AMPA; Glucose deprivation; Hypoxia; Kainate; Neuronal damage (Schurr, A. (614) 10)

Hypoxia; Kainate/AMPA receptor; NMDA receptor; Potentiation of neuronal damage; Quinolinate (Schurr, A. (617) 76)

Adenosine; Binding enhancer; Magnesium; Seizure; Anticonvulsant (Janusz, C.A. (619) 131)

Long-term potentiation; Carbachol; Muscarinic receptor subtype; CA3 region; Guinea-pig (Maeda, T. (619) 324)

Diethyldithiocarbamate; Zinc; Seizure; Epileptiform activity; Bursting (Xu, H. (624) 162)

Trypsin; NMDA; Epileptiform (Yamada, N. (624) 336)

Hypoxia; Ischemia; Spreading depression; Anoxic depolarization; Membrane current; Voltage clamp (Czéh, G. (632) 195)

Ammonium ion; CA1 Pyramidal neuron; Synaptic transmission; Quisqualate; *N*-Methyl-D-aspartate (Fan, P. (632) 225)

Hippocampal subfield CA1
Kindling; Epilepsy; Synapse; Brain slice; Spine synapse (Chang, F.-L.F. (603) 302)

Epilepsy; Kindling; Ultrastructure; Astrocyte; Synaptic morphology; Spine synapse (Hawrylak, N. (603) 309)

Hippocampal transplant
Spatial memory; Choline uptake; ChAT activity; Muscarinic receptor binding (Tarricone, B.J. (632) 41)

Hippocampus
Long-term potentiation; Long-term depression; Theta rhythm; CA1; Norepinephrine; Adenosine (Larson, J. (600) 97)

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Epileptiform; Seizure; GABA; Glutamate; Inhibition (Morrisett, R.A. (600) 235)

Kindling; Neuroplasticity; Seizure threshold; Long-term potentiation; Scopolamine (Minabe, Y. (600) 322)

Local cerebral glucose utilization; Spontaneously epileptic rat; Autoradiography; [^{14}C]2-Deoxyglucose; Amygdala; Interictal state; Hypometabolism (Saji, H. (601) 76)

Ethanol; Seizure; *N*-Methyl-D-aspartate receptor; Adenosine (Cohen, S.M. (601) 80)

α-Difluoromethylornithine; CA1; Putrescine; γ-Aminobutyric acid$_A$; Ornithine decarboxylase (Ferchmin, P.A. (601) 95)

Microfluorometry; Rhod-2; Calcium; Dantrolene; Extracellular DC potential; Ischemia-like condition; Gerbil (Mitani, A. (601) 103)

Cerebral cortex; Choline acetyltransferase; Choline transporter site; Cholinergic nerve terminal; Hemicholinium-3 binding site; Midbrain; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Estradiol benzoate; [^{3}H]Paroxetine; Serotonin reuptake site; Sex difference; Cerebral cortex (Mendelson, S.D. (601) 299)

Alzheimer's disease; Excitatory amino acid; Fura-2; Human neuron; Laser microprobe mass spectrometry; Neuron death; Tau; Ubiquitin (Mattson, M.P. (602) 21)

Calcium; Neurotoxicity; Corticosterone; Glucocorticoid; Stress (Elliott, E.M. (602) 84)

Anticonvulsant; Antibody; Kindling; Osmotic minipump; Rat; Seizure; Somatostatin (Monno, A. (602) 148)

cAMP phosphodiesterase; cAMP-dependent protein kinase; Autoradiography; Gerbil; Cerebral ischemia (Murase, K. (602) 234)

Entorhinal cortex; Dorsal raphe nucleus; Double-antigen immunohistochemistry; Locus coeruleus; Neurofibrillary tangle; Paired helical filament (Duong, T. (603) 74)

CA2 region; Gerbil; Selective vulnerability; Cerebral ischemia (Akai, F. (603) 87)

Long-term potentiation; Excitatory postsynaptic potential; NMDA receptor (Lin, J.-H. (603) 117)

Transplantation; Kindling; Epilepsy (Miyamoto, O. (603) 143)

Acetylcholine; Aging; 2-Deoxyglucose; Brain slice; AF64A; Cerebral cortex; Muscarinic; Nicotinic (Shibata, S. (603) 248)

Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; High-performance liquid chromatography; Noradrenaline; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Trisomy 16; Down's syndrome; Action potential; Current; Primary culture; Mouse; Patch-clamp (Galdzicki, Z. (604) 69)

Vitamin E; Monoamine; Adult; Rat (Castaño, A. (604) 154)

Spreading depression; Calcium; Hypoxia; Ischemia; Calcium channel; Potassium (Jing, J. (604) 251)

Aging; Choline acetyltransferase; High-affinity choline uptake; Spatial learning; Cortex; Striatum (Dunbar, G.L. (604) 266)

Dentate gyrus; Evoked response; Paired-pulse facilitation; *N*-Methyl-D-aspartate receptor; MK-801; Rat (Joy, R.M. (604) 273)

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N-Methyl-D-aspartate; Receptor; Glutamate; Autoradiography; Cortex; C57Bl/6 (Magnusson, K.R. (604) 334)

Steroid; Glucocorticoid receptor; Mineralocorticoid receptor; Primary culture; Cortex; Serotonin; Rat; Brain (Vedder, H. (605) 18)

Glutamate; CA1 pyramidal cell; Excitatory amino acid; 2-Amino-4-phosphonobutanoic acid (Schulte, M.K. (605) 85)

Quantitative autoradiography; Human brain; Thyrotropin-releasing hormone; Binding site (Eymin, C. (605) 139)

Acetylcholine; Choline-*O*-acetyltransferase; Cross reacting determinant; Glycosyl-phosphatidylinositol; Glycosylphosphatidylinositol-specific phospholipase C; Phosphatidylinositol-specific phospholipase C; Rat brain (Smith, L.K. (605) 155)

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6-Hydroxydopamine
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Paraventricular nucleus; Catecholamine; Social interaction test; Stress corticosterone; Allotetrahydrodeoxycorticosterone (Kellogg, C.K. (609) 244)

Adenosine 5′-triphosphate; Spinal cord; Synaptosome; Capsaicin; Rhizotomy (Sawynok, J. (610) 32)

Dopamine D_1/D_2 synergism; Dopamine D_1 receptor; Dopamine D_2 receptor; Stereotypy; Independence; α-Methyl-*p*-tyrosine; Reserpine (LaHoste, G.J. (611) 108)

Norepinephrine; Spinal cord; Development; Ontogenesis; Adrenergic receptor; Rat (Simmons, K.E. (611) 222)

Spinal cord; Hindlimb flexor reflex; Motor reflex; α_1 Receptor (Simmons, K.E. (611) 231)

Serotonin receptor; 5,7-Dihydroxytryptamine; DSP-4; Ibotenic acid; Kainic acid; Capsaicin; Rhizotomy (Kidd, E.J. (612) 289)

Adenosine; Dopamine; Parkinson's disease; Rotational behavior (Jiang, H. (613) 347)

Feeding; Neonatal lesion; 2-Deoxy-D-glucose; 2,5-Anhydro-D-mannitol (Lu, Y. (617) 120)

MPTP; Neuronal degeneration; BTCP; Dopamine uptake inhibition; Neuroprotection; Morphology paramater (Cerruti, C. (617) 138)

Olfactory bulb; Norepinephrine; Dopamine; Recognition; Habituation; Male rat; Testosterone (Guan, X. (622) 51)

Ethanol self-administration; Dopamine; Nucleus accumbens; Mesolimbic; Reinforcement (Rassnick, S. (623) 16)

Dopamine; 6-Hydroxydopa; MPTP; Neurotoxin; HPLC; Prolactin (Lin, J.-Y. (624) 126)

Brain dialysis; Striatal dopamine release; Muscarinic receptors (De Klippel, N. (630) 57)

6-Hydroxydopamine lesion
Amygdala; Hippocampus; Hypothalamus; Ventral striatum; Dorsal striatum; Frontal cortex; Corticosterone; Restraint stress; Dopamine (Casolini, P. (622) 311)

8-Hydroxy-DPAT
Serotonin $5\text{-}HT_{1A}$ receptor; Buspirone; Cardiac vagal motoneuron; Upper airway; Smoke; Anesthetized rabbit (Futuro-Neto, H.A. (629) 349)

5-Hydroxyindolacetic acid
Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; Hippocampus; High-performance liquid chromatography; Noradrenaline; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

5-Hydroxyindole
Morphine; Medullary dorsal horn; Tricyclic antidepressant; Tianeptine; Voltammetry (Puig, S. (600) 219)

5-Hydroxytryptamine
Rostral ventrolateral medulla (Lewis, D.I. (609) 103)

Allylnitrile; 5,7-Dihydroxytryptamine; *N*-(2-Chloroethyl)-*N*-ethyl-2-bromobenzylamine; Head twitching; Noradrenaline (Tanii, H. (626) 265)

Paraventricular nucleus; Lesion; Feeding; D-Fenfluramine; Fluoxetine; TFMPP; 8-OH-DPAT (Fletcher, P.J. (630) 1)

5-Hydroxytryptophan
p-Chlorophenylalanine; Noradrenaline; Serotonin; Excitatory amino acid; Sensory response (Shiekhattar, R. (623) 72)

Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Metabolism; Gepirone; Serotonin $5\text{-}HT_{1A}$ receptor; Noise (Boadle-Biber, M.C. (628) 105)

Hyperactivity
Striatum; Dopamine D_2 receptor; Circling behavior; Mediodorsal thalamus; Serotonin $5\text{-}HT_1$ receptor; γ-Aminobutyric acid; Transgenic insertional mutant (Fitzgerald, L.W. (608) 247)

Hyperalgesia
Ketamine; Dextrorphan; NMDA receptor; Spontaneous pain; Neuropathic pain; Nerve injury (Mao, J. (605) 164)

Aspartate; Glutamate; Dorsal horn (Sorkin, L.S. (607) 89)

Immunocytochemistry; Immediate-early gene; Polyarthritis; Nociception (Abbadie, C. (607) 195)

Peripheral nerve injury; Pain; Spinal cord; NMDA antagonist; Sciatic nerve; Neuropathy (Garrison, C.J. (607) 205)

Peripheral nerve injury; Causalgia; Allodynia (Sheen, K. (610) 62)

Inflammation; Mononeuropathy; Arthritis; Neurotensin; Periaqueductal gray; Nucleus cuneiformis (Williams, F.G. (611) 87)

Interleukin-1; Interleukin-1 receptor antagonist; LiCl; Endotoxin (Maier, S.F. (623) 321)

Interleukin-1β; Nociception; Interleukin-1 receptor antagonist; α-Melanocyte-stimulating hormone; Corticotropin-releasing factor; Arachidonate cascade (Oka, T. (624) 61)

Neuropathy; Morphine; Clonidine; (±)-Baclofen; Carbamazepine (Smith, G.D. (632) 16)

Hyperammonemia
Hepatic encephalopathy; Glutamate dehydrogenase; Brain mitochondria (Faff-Michalak, L. (618) 299)

Hyperbaric oxygen
Reactive oxygen species; Convulsion; Rat brain (Zhang, J. (606) 56)

Seizure; Temperature; Kindling; Hypothermia (Fenton, L.H. (632) 143)

Hypercapnia
Nitric oxide; Endothelium-derived relaxing factor; *N*-Nitro-L-arginine methyl ester; Cerebral blood flow; Hypoxia; Hypotension (Buchanan, J.E. (610) 248)

Arterial pressure; Brain slice; Chemoreceptor; Hypoxia; Rat; Rhodamine (Nolan, P.C. (630) 101)

Hypercorticosteronemia
Lactation; Development; Hypothalamus-pituitary-adrenal axis; Spatial memory (Catalani, A. (624) 208)

Hyperglycemia
Hypoglycemia; ^{31}P Magnetic resonance spectroscopy; Cerebral ischemia (Tyson, R. (608) 288)

D-Glucose; GABA release; Norepinephrine release; Serotonin release; Acetylcholine release; $GABA_B$ receptor; Diabetic coma (Fink, K. (618) 220)

Hyperplasia
Astrocyte; Glial fibrillary acidic protein; Gliosis; Hypertrophy (Da Cunha, A. (600) 161)

Hyperpolarization
Whole-cell patch clamp technique; Outer hair cell; Fura-2; Hyposmotic activation (Harada, N. (614) 205)

Hyperpolarization-activated cation current
Purkinje cell; Oscillatory activity; Intrinsic property; Zero slope resistance (Chang, W. (614) 335)

Hyperpolarizing bipolar cell
Input–output relation; Synaptic gain; Depolarizing bipolar cell; Spectral sensitivity; Response–intensity relation; Horizontal cell; Dark adaptation (Yang, X.-L. (613) 275)

Hypertension
Lateral hypothalamus; DOCA; Norepinephrine; GABA; Salt diet (Sessler, F.M. (613) 259)

Stroke; Insular cortex; Cardiac pathology; Sympathetic activity (Butcher, K.S. (621) 79)

Hyperthermia
Antioxidant enzyme; Hypothalamus; Interleukin; Radiation (Kandasamy, S.B. (606) 106)

c-*fos*; Immunocytochemistry; Preoptic area; Thermoregulation; Temperature (Scammell, T.E. (618) 303)

Cerebral ischemia; Gerbil; Brain temperature; Anesthesia (Colbourne, F. (623) 1)

Hyperthyroidism
Choroid plexus; Meninges; CSF; Thyroid hormone; Plasma protein; Hypothyroidism; Thyroxine (Blay, P. (632) 114)

Hypertrophy
Astrocyte; Glial fibrillary acidic protein; Gliosis; Hyperplasia (Da Cunha, A. (600) 161)

Bladder; Diabetes; Diuresis (Nadelhaft, I. (609) 277)

Hypoalgesia
Naloxone; Magnetic field; Magnetic field – 60 Hz; Nociception; Analgesia; Opiate antagonist; Magnetic-field-induced hypoalgesia (Kavaliers, M. (620) 159)

Hypo- and hyperthyroidism
Thyroid hormone; Thyroxine; Triiodothyronine; Desmethylimipramine; Tricyclic antidepressant; Norepinephrine; Amine uptake (Gordon, J.T. (626) 175)

Hypogastric nerve
Spinal cord; Uterus; Pelvic nerve; Visceral sensation; Reproduction (Wall, P.D. (622) 71)

Hypoglossal motoneuron
Carbachol; Rapid eye movement sleep; GABA; Glycine; Atonia; Strychnine; Bicuculline (Kubin, L. (611) 300)

Hypoglossal nerve
In vitro; Respiration; Brain tissue oxygen; Hypoxia; Ischemia (Schäfer, T. (618) 246)

Hypoglossal neuron
Sodium ion; ATP; Glutamate; Membrane potential (Haddad, G.G. (625) 261)

Hypoglossal nucleus
Brainstem; Interneuron; Trigeminal motor nucleus; Facial nucleus; Fluorescent tracer; Rat (Li, Y.-Q. (611) 160)

Phosphorylated neurofilament; Axotomy; Rat; Dorsal motor nucleus (Yamada, E. (612) 210)

Fictive swallowing; Superior laryngeal nerve; Antidromic mapping; Ambiguus nucleus (Ezure, K. (632) 216)

Hypoglycemia
Brain; Protein kinase C; MARCKS (Anderson, L.G. (606) 187)

Fibroblast growth factor; Calcium; Excitotoxicity; Nerve growth factor; Neuron death; Nifedipine; Patch clamp (Cheng, B. (607) 275)

Glucose; Hypoxia; Calcium; Cortex; Cell culture (Birrell, G.J. (607) 337)

Hyperglycemia; ^{31}P Magnetic resonance spectroscopy; Cerebral ischemia (Tyson, R. (608) 288)

Ion channel; Osmotic effect; Whole-cell patch-clamp; Dissociated neuron (Somjen, G.G. (632) 180)

Hypometabolism
Local cerebral glucose utilization; Spontaneously epileptic rat; Autoradiography; [^{14}C]2-Deoxyglucose; Hippocampus; Amygdala; Interictal state (Saji, H. (601) 76)

Hypomyelinating mutant
Myelin; Caprine β-mannosidosis; Myelin basic protein; Myelin-associated glycoprotein; Proteolipid protein; 2′,3′-Cyclic nucleotide 3′-phosphodiesterase; Glial fibrillary acidic protein (Sasaki, M. (620) 127)

Hyponatremia
Brain solute; Electrolyte; Glutamate; Osmolyte; Osmoregulation; Volume regulation (Verbalis, J.G. (606) 19)

Lactation; Neurohypophysis; Osmolar stimulus; Oxytocin (Bononi, P.L. (617) 50)

Hypoperfusion
Cerebral ischemia; Induced tolerance; Heat shock protein 72; Stroke-resistant gerbil (Ohtsuki, T. (614) 279)

Hyposmotic activation
Whole-cell patch clamp technique; Outer hair cell; Fura-2; Hyperpolarization (Harada, N. (614) 205)

Hypotension
Nitric oxide; Endothelium-derived relaxing factor; *N*-Nitro-L-arginine methyl ester; Cerebral blood flow; Hypoxia; Hypercapnia (Buchanan, J.E. (610) 248)

Hemorrhage; Dynorphin; Central nervous system; Endogenous opioid peptide; Nucleus ambiguus (Samuels, S. (613) 54)

Hypothalamic culture
Somatostatin; Glial cell; Defined medium; Serum supplemented medium; Development (Davidson, K. (624) 75)

Hypothalamic dopamine neuron
Hypothalamo-pituitary-adrenal; Dopamine uptake; Adrenocorticotropic hormone; GBR12909 (Borowsky, B. (613) 251)

Hypothalamic graft
Alcohol consumption; Angiotensin II immunoreactivity; Subfornical organ; Paraventricular nucleus; Rapp SS/Jr rat (Lança, A.J. (632) 287)

Hypothalamic paraventricular nucleus
Feeding; 8-Hydroxy-2-(di-*n*-propylamino)tetralin; Idazoxan; Norepinephrine; Serotonin; Raphe nucleus (Currie, P.J. (627) 153)

Hypothalamic-pituitary-adrenal axis
Mineralocorticoid receptor; Glucocorticoid receptor; Corticosteroid-binding globulin; Stress response; Diurnal rhythm; Rat strain; Neuro-immune (Dhabhar, F.S. (616) 89)

Hypothalamic stimulation
Ventral tegmental area; Dopaminergic mesolimbic-mesocortical system; Flight behavior; Focused attention; Sulpiride (Crescimanno, G. (610) 242)

Hypothalamic temperature
Pontine temperature; Carotid blood flow; Vertebral blood flow; Heat exchanger; Wake–sleep cycle (Azzaroni, A. (632) 136)

Hypothalamo-pituitary-adrenal
Dopamine uptake; Hypothalamic dopamine neuron; Adrenocorticotropic hormone; GBR12909 (Borowsky, B. (613) 251)

Hypothalamo-pituitary-adrenal axis
Human hypothalamic nucleus; Corticotropin-releasing hormone; Vasopressin; Stress; Aging; Immunocytochemistry (Raadsheer, F.C. (615) 50)

Corticosterone; Self-administration; Addiction (Deroche, V. (622) 315)

Galanin; Hypothalamus; Obesity; Overeating; Growth hormone; Insulin; Fasting (Beck, B. (623) 124)

Hypothalamus
Glutamate; Immunocytochemistry; Supraoptic nucleus; Vasopressin; Neuroendocrine; Rat; Electron microscopy (Meeker, R.B. (600) 112)

Galanin; Neuropeptide; Receptor antagonist; Receptor binding; Feeding; Behavior (Crawley, J.N. (600) 268)

c-*fos*; Bombesin; Cholecystokinin; Nucleus of the solitary tract; Capsaicin (Bonaz, B. (600) 353)

Corticotropin-releasing factor; Noradrenaline; In vivo microdialysis (Emoto, H. (601) 286)

Serotonin; 5,7-Dihydroxytryptamine; Receptor; Autoradiography (Frankfurt, M. (601) 349)

Adrenocorticotropic hormone; α-Melanocyte-stimulating hormone; Grooming; Intrahypothalamic injection; Paraventricular nucleus; Rat; Scratching (Van Erp, A.M.M. (603) 296)

Eating behavior; Neuropeptide Y; Mapping; Perifornical hypothalamus; Nanoliter injection (Stanley, B.G. (604) 304)

Nitric oxide; L-Arginine; Nitroprusside; Molsidomine; Nitric oxide synthase; Corticotropin-releasing hormone; Interleukin (Costa, A. (605) 187)

Antioxidant enzyme; Hyperthermia; Interleukin; Radiation (Kandasamy, S.B. (606) 106)

Deoxyglucose; Autoradiography; Body temperature regulation; Pineal gland; Subfornical organ; Median eminence; Vasopressin; Epilepsy (Gross, P.M. (606) 135)

α-Melanocyte-stimulating hormone; Grooming; Intrahypothalamic infusion; Oxytocin; Paraventricular nucleus; Rat (Van Erp, A.M.M. (607) 108)

Anorexia; Diabetes-associated peptide; Corpus striatum; 3-Methoxytyramine; Dopamine; Serotonin; Glucose; Calcitonin gene-related peptide (Chance, W.T. (607) 185)

Estradiol; Progesterone; Synapse; Neural plasticity; Arcuate nucleus (Pérez, J. (608) 38)

Interleukin-1; Pig; Neuron; Endothelium; Glia (Molenaar, G.J. (608) 169)

Glucocorticoid; Glucocorticoid receptor; Gene expression; Hippocampus (Lachman, H.M. (609) 110)

Supraoptic nucleus; Paraventricular nucleus; Alzheimer's disease; Human; Morphometry (De Lacalle, S. (609) 154)

Immunoreactive insulin; Ventromedial nucleus; Paraventricular nucleus; Microdialysis; Genetically obese Zucker rat (Gerozissis, K. (611) 258)

Carotid occlusion; AV3V; Baroreceptor; Cerebral ischemia; Cardiovascular reflex (Bedran de Castro, M.T.B. (612) 243)

Adrenocorticotrophin; Cortisol; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Parkinson's disease; Dopaminergic neuron (Mizobuchi, M. (612) 319)

Eating; Feeding; Lateral hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

Luteinizing hormone; Reproductive function; Immune system; Ovulatory cycle; Stress mechanism; Transcription factor; Immunocytochemistry; Push–pull (Rivest, S. (613) 132)

Vasoactive intestinal peptide; Arcuate-median eminence; Anterior pituitary; Prolactin (Carrillo, A.J. (613) 281)

Serotonin uptake site; Serotonin 5-HT_2 receptor; Paroxetine binding; Ketanserin binding; Human brain; Suicide victims/depressives; Prefrontal cortex; Amygdala (Hrdina, P.D. (614) 37)

Opioid; Autoradiography; EKC; DAMGO; DPDPE; Avian; pCl-DPDPE; Junco; Feeding (Deviche, P. (614) 220)

Rat; Cell body stimulation; γ-Aminobutyric acid; Attack; Digging; Gnawing; Feeding; Drinking (Roeling, T.A.P. (615) 121)

GRF; Rat; HPLC; Pituitary; Proteolysis (Boulanger, L. (616) 39)

Cocaine; Corticotropin-releasing factor; Extrahypothalamic-limbic brain region; Radioimmunoassay (Sarnyai, Z. (616) 315)

c-*fos*; Fos immunoreactivity; Interleukin-1; Oxytocin; Vasopressin (Chang, S.L. (617) 123)

Corticotropin-releasing factor; Thyrotropin-releasing hormone; Synapse; Double immunolabeling; Electron microscopy; Paraventricular nucleus; Rat (Hisano, S. (620) 343)

c-Fos; Pelvic nerve; Amygdala; Cervical stimulation; Lordosis; Preoptic area; Mating (Rowe, D.W. (621) 25)

Linear AVP antagonist; Vasopressin V_{1a} receptor; Arginine vasopressin; Substantia nigra; Ventral tegmental area; Cortex layer IV (Johnson, A.E. (622) 9)

Interleukin-1; Interleukin-6; Tumor necrosis factor-α; Corticotropin-releasing hormone; Prostaglandin; Norepinephrine turnover (Terao, A. (622) 257)

Amygdala; Hippocampus; Ventral striatum; Dorsal striatum; Frontal cortex; Corticosterone; Restraint stress; 6-Hydroxydopamine lesion; Dopamine (Casolini, P. (622) 311)

Immunocytochemistry; Circadian rhythm; Excitatory amino acid; GluR1 (Gannon, R.L. (622) 337)

Growth hormone-releasing factor; Stimulus–secretion coupling; Luteinizing hormone; Median eminence (Dickson, S.L. (623) 95)

Galanin; Obesity; Overeating; Growth hormone; Insulin; Hypothalamo-pituitary-adrenal axis; Fasting (Beck, B. (623) 124)

Serotonin 5-HT_{1B} receptor; 5,7-Dihydroxytryptamine; Upregulation; Quantitative autoradiography (Manrique, C. (623) 345)

Sex steroid; Norepinephrine; GABA; Goldfish (Trudeau, V.L. (624) 29)

Steroid hormone receptor; Androgen; Immunoreactivity; Rat (Huang, X. (624) 309)

Acetylcholine receptor; Immunocytochemistry; Nicotinic receptor; Rat (Okuda, H. (625) 145)

Aging; Noradrenaline; Neuropeptide Y; α-Adrenoceptor; Brainstem (Huguet, F. (625) 256)

Serotonin; Opiate receptor; Midbrain central gray; Lesion; Sexual behavior (Allen, D.L. (625) 269)

Defensive rage behavior; Amygdala; Substance P; Neurokinin NK_1 receptor; CP-96,345; Cat; Predatory attack behavior (Shaikh, M.B. (625) 283)

Gamma-aminobutyric acid; Anxiety; Muscimol; Bicuculline methiodide; Picrotoxin; Heart rate; Respiration (Shekhar, A. (627) 9)

Gamma-aminobutyric acid; Anxiety; Muscimol; Bicuculline methiodide; Heart rate; Blood pressure; Atenolol; Benzodiazepine (Shekhar, A. (627) 17)

Lordosis; Guinea pig; Noradrenergic; Preoptic area (Malik, K.F. (628) 26)

Eating; Feeding; Neuropeptide Y; Dopamine; Amphetamine; Perifornical hypothalamus; Neurotransmitter interactions (Gillard, E.R. (628) 128)

Eating; Feeding; Lateral hypothalamus; Excitatory amino acid; Glutamate; KA; AMPA; NMDA (Stanley, B.G. (630) 41)

Estrogen receptor; Immunocytochemistry; Preoptic area; Amygdala; Hamster (Li, H.-Y. (631) 304)

Neurotrophin; Immediate early gene; Neuronal activation; Basal forebrain; Auditory system; Posterodorsal tegmental nucleus (Peng, Z.-C. (632) 57)

Substance P; Neurokinin A; Senktide; Phosphoinositol hydrolysis; Tachykinin receptor antagonist (Lebrun, C.J. (632) 74)

Aging; Alzheimer's disease; Activation; Microwave; Golgi apparatus; Supraoptic nucleus; Paraventricular nucleus (Lucassen, P.J. (632) 105)

Hypothalamus-pituitary-adrenal axis
Hypercorticosteronemia; Lactation; Development; Spatial memory (Catalani, A. (624) 208)

Hypothermia
Cerebral ischemia; Gerbil; Brain temperature (Colbourne, F. (602) 264)

Morphine; Tolerance; Analgesia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin; B_{max}; K_d; Brain; Spinal cord (Thorat, S.N. (615) 191)

Anoxia; Astrocyte; Glutamate; Ischemia (Huang, R. (618) 346)

Cardiac arrest; Dog; Ischemia; Perinatal; Regional cerebral blood flow (Yager, J.Y. (620) 122)

Thyrotropin-releasing hormone; U-50,488H; κ-Opiate agonist; Analgesia; Mouse (Bhargava, H.N. (625) 120)

Astrocyte; Glia; Ischemia; Hypoxia; Cell death; Arachidonate (Haun, S.E. (631) 352)

Hyperbaric oxygen; Seizure; Temperature; Kindling (Fenton, L.H. (632) 143)

Hypothermic period
Immunocytochemistry; Seasonal variation; Testosterone (Hermes, M.L.H.J. (631) 313)

Hypothyroidism
Cerebellum; Tubulin; Detyrosination; Tubulinyl-tyrosine carboxypeptidase; Molecular layer; Synaptogenesis (Poddar, R. (614) 233)

Choroid plexus; Meninges; CSF; Thyroid hormone; Plasma protein; Hyperthyroidism; Thyroxine (Blay, P. (632) 114)

Hypoxanthine
Cerebral blood flow; Kainic acid; Inosine; Rat (Sciotti, V.M. (613) 16)

Hypoxia
Brain; Synaptosome; Myelin; Na^+,K^+-ATPase; Lipid peroxidation (Razdan, B. (600) 308)

Cysteate; Cysteine; Glucose deprivation; Neurotoxicity; *N*-Methyl-D-aspartate receptor subset (Schurr, A. (601) 317)

Spreading depression; Calcium; Hippocampus; Ischemia; Calcium channel; Potassium (Jing, J. (604) 251)

Brain; Mouse; Neonate; Free radical; Electron spin resonance (Hasegawa, K. (607) 161)

Glucose; Hypoglycemia; Calcium; Cortex; Cell culture (Birrell, G.J. (607) 337)

Calpain-inhibitor I; Leupeptin; Ischemia; Hippocampus (Rami, A. (609) 67)

Morphine; Tolerance; Arginine vasopressin; Amnesia; Brain ischemia; Scopolamine; Electroconvulsive shock (Sugimachi, N. (609) 93)

Carotid chemoreceptor; Sympathetic chemoreflex; Caudal ventrolateral medulla; Rostral ventrolateral medulla; Sympathetic baroreflex (Koshiya, N. (609) 174)

Depolarization; Adenosine; Hippocampus; Adenosine A_1 receptor (Lee, K.S. (609) 313)

Barosensitive neuron; Reticulospinal neuron; Rostral ventrolateral medulla; Rat (Sun, M.-K. (609) 333)

Nitric oxide; Endothelium-derived relaxing factor; *N*-Nitro-L-arginine methyl ester; Cerebral blood flow; Hypercapnia; Hypotension (Buchanan, J.E. (610) 248)

Neocortex; Anoxic depolarization; Extracellular calcium; Verapamil; *N*-Methyl-D-aspartate antagonist; Brain slice (Kral, T. (612) 278)

AMPA; Glucose deprivation; Hippocampal slice; Kainate; Neuronal damage (Schurr, A. (614) 10)

Hippocampal slice; Kainate/AMPA receptor; NMDA receptor; Potentiation of neuronal damage; Quinolinate (Schurr, A. (617) 76)

In vitro; Respiration; Hypoglossal nerve; Brain tissue oxygen; Ischemia (Schäfer, T. (618) 246)

Glucose; Lactate; Hippocampus; Ion transport; Oxidative phosphorylation; Energy metabolism (Roberts Jr., E.L. (620) 251)

Hippocampus; Synaptic transmission; Glutamate (Penning, D.H. (620) 301)

Nimodipine; Acetylcholine; Choline; Altitude; Microdialysis (Shukitt-Hale, B. (621) 291)

Carotid body; Glomus cell; Intracellular pH; Membrane potential (Pang, L. (623) 349)

Nitric oxide; Nitric oxide synthase; NADPH-diaphorase; L-Nitro arginine; Carotid body (Prabhakar, N.R. (625) 16)

Arterial pressure; Brain slice; Chemoreceptor; Hypercapnia; Rat; Rhodamine (Nolan, P.C. (630) 101)

Calpain; Calpastatin; Hypoxic-ischemia; Neonatal; Rat; Brain (Ostwald, K. (630) 289)

Choline; Phospholipase A_2; Phospholipase D (Klein, J. (630) 337)

Astrocyte; Glia; Ischemia; Cell death; Arachidonate; Hypothermia (Haun, S.E. (631) 352)

Ischemia; Spreading depression; Anoxic depolarization; Membrane current; Voltage clamp; Hippocampal slice (Czéh, G. (632) 195)

Hypoxia-ischemia
Rat; Perinatology; Cerebral cortex; Glutamic acid decarboxylase; γ-Aminobutyric acid; Epilepsy; Immunofluorescence; Confocal laser scanning microscopy (Romijn, H.J. (630) 315)

Hypoxic-ischemia
Calpain; Calpastatin; Hypoxia; Neonatal; Rat; Brain (Ostwald, K. (630) 289)

40 Hz
Auditory cortex; Spontaneous activity; Magnetoencephalography; Neuromagnetism; Human (Tesche, C. (629) 19)

I

I_K
Immune mediator; Cultured cortical neuron; Late potassium outward current; Membrane potential; Astrocyte (Köller, H. (628) 313)

Ia fiber
Spinal reflex; Contralateral inhibition; Human; Pedalling; Locomotion (Collins, D.F. (603) 96)

Ibogaine
D-Amphetamine; Dopamine; Nucleus accumbens; Striatum; Microdialysis (Glick, S.D. (628) 201)

Ibotenate
Phosphoinositide; Kindling; Cocaine; Lidocaine; Anesthetic; Sodium; Batrachotoxin (Margolis, R.L. (614) 185)

Ibotenic acid
Somatostatin; Somatostatin receptor radioautography; Nucleus basalis; Plasticity (Moyse, E. (607) 154)

Serotonin receptor; 5,7-Dihydroxytryptamine; 6-Hydroxydopamine; DSP-4; Kainic acid; Capsaicin; Rhizotomy (Kidd, E.J. (612) 289)

Intracranial self-stimulation; Lateral hypothalamus; Lesion; Tuberomammillary nucleus (Wagner, U. (613) 269)

Caudate-putamen; Excitotoxic lesion; GABA; Glial; Intrastriatal microdialysis; Neuronal (Campbell, K. (614) 241)

Cortical cerebral blood flow; Local cortical neuron; Basal forebrain; Cholinergic; Laser-Doppler flowmetry (Linville, D.G. (622) 26)

Ventral pallidum/substantia innominata; Lateral hypothalamus; Globus pallidus; Quinolinic acid; Excitotoxin lesion; Aphagia; Feeding behavior; Taste aversion (Cromwell, H.C. (624) 1)

Lordosis; Sexual behavior; Sexual differentiation; Medial preoptic area (Olster, D.H. (626) 99)

Ibotenic acid lesion
Medial geniculate nucleus; Heart rate conditioning; Acoustic thalamus; Electrolytic lesion; Rabbit (McCabe, P.M. (619) 291)

Somatostatin receptor binding; Autoradiography; Nucleus basalis magnocellularis; Cerebral cortex (Bogdanovic, N. (628) 31)

Fronto-parietal cortex; Acetylcholine; Vasoactive intestinal polypeptide; Axonal sprouting; Immunocytochemistry (Cossette, P. (630) 195)

Idazoxan
Locus coeruleus; Norepinephrine; Phentolamine; Sprague–Dawley substrain; Yohimbine (West, W.L. (626) 127)

Feeding; 8-Hydroxy-2-(di-*n*-propylamino)tetralin; Norepinephrine; Serotonin; Hypothalamic paraventricular nucleus; Raphe nucleus (Currie, P.J. (627) 153)

Kindling; Noradrenaline; Clonidine; Yohimbine; Xylazine; Amygdala (Pelletier, M.R. (632) 29)

Identified cell
Neural net; Back propagation; Spinal ganglion; Sensory neuron; Cat; Spike analysis (Rose, R.D. (630) 345)

IL-1
Corticotropin-releasing hormone; Arginine vasopressin; α Melanocyte-stimulating hormone; Organ explant (Zelazowski, P. (631) 22)

Image analysis
Rodent brain; Intracellular buffer; Calcium-binding protein; Radioimmunoassay (Plogmann, D. (600) 273)

Pinealocyte; Calcium; Norepinephrine; Melatonin; Cyclic nucleotide; *N*-Acetyltransferase (Schaad, N.C. (614) 251)

Imidazole receptor
Clonidine; Clonidine-displacing substance; Cerebrospinal fluid (Goldberg-Stern, H. (601) 325)

Iminodipropionitrile
Dyskinesia; Ceruletide; Long-lasting effect; Dopaminergic neuronal system; mRNA (Hirata, H. (604) 197)

Acetaldehyde; Dopamine; Dopamine metabolite; Dyskinesia; MPTP; Striatum (Fornai, F. (605) 93)

Imipramine
Antidepressant drug; Tianeptine; Stress; Hippocampus; Serotonin receptor; Serotonin transporter (Watanabe, Y. (615) 87)

Immediate early gene
Oncoprotein; Stimulant; Immunocytochemistry; Cell counting; Addiction (Norman, A.B. (603) 125)

NGFI-A; Krox-24; Fos; Cytochrome oxidase; Immunohistochemistry; Vervet (Chaudhuri, A. (605) 349)

Immunocytochemistry; Polyarthritis; Nociception; Hyperalgesia (Abbadie, C. (607) 195)

Circadian rhythm; Ganglion cell layer; Suprachiasmatic nucleus; Light induction; Endogenous expression; Phase shift (Chambille, I. (612) 138)

Transynaptic induction; Sciatic nerve; NMDA antagonist (Cameron, A.A. (620) 64)

c-*fos*; Circadian rhythm; Oscillation; Pacemaker; Neuropeptide (Earnest, D.J. (627) 205)

Retina; Cholinergic receptor; Glutamate receptor; Dopamine receptor; *c-fos*; NGFI-A (Gudehithlu, K.P. (631) 77)

Neurotrophin; Neuronal activation; Basal forebrain; Hypothalamus; Auditory system; Posterodorsal tegmental nucleus (Peng, Z.-C. (632) 57)

Fos; Globus pallidus; D_1 receptor; D_2 receptor; Supersensitivity; Dopamine (Marshall, J.F. (632) 308)

Glucocorticoid receptor; Corticosteroid; Pain; Immunocytochemistry; C-fiber stimulation; Nociception; Primary sensory neuron (Cintra, A. (632) 334)

Immobility
Analgesia; Animal hypnosis; Somatic sensory stimulation; Repeated noxious stimulation; Pinch (Fleischmann, A. (601) 28)

Immobilization stress
Colchicine; Transcription factor (Kainu, T. (615) 245)

Immune mediator
Glial cell; Electrophysiological property; Membrane potential (Köller, H. (612) 28)

Cultured cortical neuron; Late potassium outward current; I_K; Membrane potential; Astrocyte (Köller, H. (628) 313)

Immune response
Cerebellum; Purkinje cell; Non-ataxic; Exploratory behavior; Tonic-clonic seizure; Guinea pig (Lev-Ram, V. (606) 325)

Immune system
Luteinizing hormone; Hypothalamus; Reproductive function; Ovulatory cycle; Stress mechanism; Transcription factor; Immunocytochemistry; Push–pull (Rivest, S. (613) 132)

Immunity
Stress; Benzodiazepine; Corticotropin-releasing hormone (Irwin, M. (631) 114)

Immunoassay
Oxytocin-like; FMRFamide-like; Sex segmental ganglia; Leech; Immunocytochemistry; Reverse phase HPLC; Anti-diuretic effect (Salzet, M. (601) 173)

Nerve growth factor; Smooth muscle hyperplasia; Wistar–Kyoto rat; Spontaneously hypertensive rat (Zettler, C. (614) 15)

Immunoblot
Basic fibroblast growth factor; Cerebral cortex; Ischemia; Immunohistochemistry; Neuron; Astrocyte (Kumon, Y. (605) 169)

Neurotoxicity; Glial fibrillary acidic protein; Microglia; Paroxetine; 5,7-Dihydroxytryptamine (Rowland, N.E. (624) 35)

Immunoblotting
Alcoholic; Guanine nucleotide binding protein; Photoaffinity labeling; Ethanol; Transmembrane signaling (Ozawa, H. (620) 174)

mGluR1; Somatic sensation; Monoclonal antibody; Immunohistochemistry; Trigeminal ganglion (Araki, T. (627) 341)

Na^+,K^+-ATPase; Sodium pump; Immunohistochemistry; Ouabain; Telencephalic culture (Brines, M.L. (631) 1)

Immunocitochemical
Brain rich; Neuron-specific; Developmental change; Protein 14 kDa; Nerve terminal; Presynapse (Shibayama-Imazu, T. (622) 17)

Hippocampus; Turnover; Rat (Venero, J.L. (631) 89)

Immunocytochemistry
Retinopetal system; Cyclostome; Axonal tracing; GABA (Rio, J.P. (600) 9)

Glutamate; Supraoptic nucleus; Vasopressin; Neuroendocrine; Hypothalamus; Rat; Electron microscopy (Meeker, R.B. (600) 112)

Pigeon; Telencephalon; Tegmentum; Substantia nigra; Area ventralis tegmentalis; Neostriatum; Retrograde tracing (Waldmann, C. (600) 225)

Canine medulla oblongata; C1-C3 areas; Autonomic nervous system; Catecholamine-synthesizing enzyme (Dormer, K.J. (601) 41)

Rat; Dorsal root ganglion; Spinal cord; Cathepsin B; Cathepsin H; Cathepsin L; Calcitonin gene-related peptide; Co-localization (Taniguchi, K. (601) 143)

Oxytocin-like; FMRFamide-like; Sex segmental ganglia; Leech; Immunoassay; Reverse phase HPLC; Anti-diuretic effect (Salzet, M. (601) 173)

Microglia/macrophage; Proliferation; Twitcher mouse; Autoradiography; Demyelination (Ohno, M. (602) 268)

Glycine; Neuropeptide; Classical transmitter; Co-localization; Autoradiography (Watt, C.B. (603) 111)

Oncoprotein; Immediate-early response gene; Stimulant; Cell counting; Addiction (Norman, A.B. (603) 125)

Neuropeptide Y; Spinal cord; Cat; Ultrastructure; Axo-axonic synapse (Doyle, C.A. (603) 157)

Substance P; Met-enkephalin; Neurotensin; Descending inhibition; Formalin test; Rat (Zhang, R.X. (603) 162)

Neuropeptide Y; Insular lobe; Monkey; Cerebral cortex; Non-human primate (Augustine, J.R. (603) 255)

Luteinizing hormone-releasing hormone; Amitriptyline; Antidepressant; Behavior; Organum vasculosum of lamina terminalis (Jain, M.R. (604) 7)

Substance P; Ontogeny; Dorsal motor nucleus of the vagus nerve; Nucleus tractus solitarii; Human fetus (Wang, L.G. (605) 9)

Dorsal raphe nucleus; Suprachiasmatic nucleus; Co-graft; Serotonin; Vasopressin; Vasoactive intestinal polypeptide (Ueda, S. (605) 181)

Serotonin; Striatum; Weaver mutant mouse (Stotz, E.H. (606) 267)

Development; Hippocampus; Ischemia; Ultrastructure; Rat (Goodman, J.H. (606) 309)

Electron microscopy; Dendrite; Striatum (Rajakumar, N. (607) 47)

Immediate-early gene; Polyarthritis; Nociception; Hyperalgesia (Abbadie, C. (607) 195)

Primary afferent neuron; Neurofilament; Phosphorylation; Cell profile size; Cat (Perry, M.J. (607) 307)

Octopamine; Interneuron; Central nervous system; Snail; *Lymnaea stagnalis* (Elekes, K. (608) 191)

Retrograde tracer; Tyrosine hydroxylase; Nucleus tractus solitarii; Ventrolateral medulla; Locus coeruleus (Petrov, T. (609) 81)

Polyamine; Myoneural junction; Muscle spindle; Rat (Junttila, T. (609) 149)

Neural graft; Alz-50; β-Amyloid; Neurodegeneration; Neurofibrillary tangle; Plaque; Hippocampus; Animal model (Stoll, J. (610) 295)

Human; Striatum; Parvalbumin; Neurochemical compartment (Waldvogel, H.J. (610) 311)

Calcitonin gene-related peptide; Paraventricular nucleus; Pituitary gland; Sheep; Supraoptic nucleus (Herbison, A.E. (611) 147)

Spider nervous system; Octopamine; Neuroanatomy; High-pressure liquid chromatography; Hemolymph; *Cupiennius salei* (Seyfarth, E.-A. (611) 197)

Monoamine oxidase A; Monoamine oxidase B; Monoclonal antibody; Regional brain localization; Cellular distribution; Intracellular distribution; Rat tissue; Monkey tissue; Electron microscopy (Westlund, K.N. (612) 221)

Luteinizing hormone; Hypothalamus; Reproductive function; Immune system; Ovulatory cycle; Stress mechanism; Transcription factor; Push–pull (Rivest, S. (613) 132)

Androgen receptor; c-*fos*; Sexual behavior; Amygdala; Limbic system (Wood, R.I. (614) 65)

Human hypothalamic nucleus; Corticotropin-releasing hormone; Vasopressin; Hypothalamo-pituitary-adrenal axis; Stress; Aging (Raadsheer, F.C. (615) 50)

Heat shock protein 72 kDa; Neurotoxicity; Seizure (Goodman, J.H. (616) 263)

Fos; Lordosis; Luteinizing hormone-releasing hormone; Medial nucleus of amygdala; Rat (Rajendren, G. (617) 81)

Neuropeptide; Classical transmitter; Coexistence; Interplexiform cell; Autoradiography (Watt, C.B. (617) 131)

Hyperthermia; c-*fos*; Preoptic area; Thermoregulation; Temperature (Scammell, T.E. (618) 303)

Cytoarchitecture; Neuropeptide Y; Intergeniculate leaflet (Laemle, L.K. (618) 352)

Serotonergic axon; Neurotoxicity; Brainstem nucleus; Methylenedioxyamphetamine; Rat (Harvey, J.A. (619) 1)

Alz-50; Amyloid β-protein; Neuropeptide; Paired-helical filament; Pathogenesis; Senile plaque (Benzing, W.C. (619) 55)

Middle cerebral artery occlusion; Ischemia; Heat shock protein; mRNA; In situ hybridization (Kinouchi, H. (619) 334)

Cortical area V1; Nitric oxide synthase; Cytochrome oxidase; Activity dependence; Electron microscopy (Aoki, C. (620) 97)

Enkephalin; Mollusc; *Cepaea nemoralis* (Sakharov, D. (620) 114)

Testosterone; Steroid receptor; Steroid abuse; Athlete; Castration; Intact; Optical density (Menard, C.S. (622) 226)

Circadian rhythm; Hypothalamus; Excitatory amino acid; GluR1 (Gannon, R.L. (622) 337)

5α-Pregnan-3α-ol-20-one; Progesterone; Anticonvulsant; Epilepsy; Phenobarbital (Taubøll, E. (623) 329)

Paraventricular nucleus; Medulla oblongata; Thyrotropin-releasing hormone; Wheat germ agglutinin-conjugated horseradish peroxidase; Rat (Shioda, S. (625) 9)

Aging; Cholinergic; Dementia; Neurotensin; Somatostatin; Substance P (Benzing, W.C. (625) 125)

Acetylcholine receptor; Hypothalamus; Nicotinic receptor; Rat (Okuda, H. (625) 145)

Globoid cell leukodystrophy; Genetic demyelinating disease; CD^4 antigen; Myelin; Autoradiography (Ohno, M. (625) 186)

Axonal dystrophic neurite; Tau; Paired helical filament; Hippocampal formation; Neuropathology; Alzheimer's disease (Su, J.H. (625) 228)

Cholinergic neuron; Calbindin-D_{28k}; Medial septal nucleus; Nucleus of diagonal band of Broca; Coexistence; Monkey (Ichitani, Y. (625) 328)

Motoneuron disease; Thyrotropin-releasing hormone; Spinal cord; Computerized morphometry (Shi, J. (626) 83)

NPY; Neurosecretion; Axonal reticulum; Axonal transport; Sympathetic neuron; Large dense-cored vesicle (Quatacker, J. (627) 249)

Mouse; Adrenal; Medulla; Nerve growth factor; Putamen; Neurofilament; Dopamine; Phenylethanolamine-*N*-methyl transferase; Synapse (Jousselin-Hosaja, M. (627) 275)

Autoradiography; Neuropeptide; Classical neurotransmitter; Coexistence; Somatostatin; Neurotensin; GABA (Watt, C.B. (628) 349)

Fronto-parietal cortex; Acetylcholine; Vasoactive intestinal polypeptide; Axonal sprouting; Ibotenic acid lesion (Cossette, P. (630) 195)

Opioid receptor; Nervous system; Growth; Opioid growth factor; Development; Brain; Zeta (ζ) receptor; Biochemistry; Antibody; Growth factor (Zagon, I.S. (630) 295)

EGF receptor; Hippocampus (Tucker, M.S. (631) 65)

Astrocyte; Area dentata; Plasticity; S100β; 5-HT (Haring, J.H. (631) 119)

Amyloid P component; Alzheimer's disease; Amyloid β-protein; Complement; Neocortex (Kalaria, R.N. (631) 151)

Estrogen receptor; Preoptic area; Hypothalamus; Amygdala; Hamster (Li, H.-Y. (631) 304)

Seasonal variation; Testosterone; Hypothermic period (Hermes, M.L.H.J. (631) 313)

Glucocorticoid receptor; Corticosteroid; Pain; Immediate early gene; C-fiber stimulation; Nociception; Primary sensory neuron (Cintra, A. (632) 334)

Immunoelectron microscopy
Astrocyte; Endocytosis; mRNA transport; Neurohypophysis; Neuron-glia interaction; Neurosecretion; Phagocytosis (Boersma, C.J.C. (611) 117)

Immunofluorescence
Neuronal differentiation; Rat brain; Frontal cortex; Neural retina (Yang, G. (615) 71)

Hypoxia-ischemia; Rat; Perinatology; Cerebral cortex; Glutamic acid decarboxylase; γ-Aminobutyric acid; Epilepsy; Confocal laser scanning microscopy (Romijn, H.J. (630) 315)

Immunogold reaction
L-Glutamate; Intra-axonal staining; Primary afferent axon; Neurotransmitter (Maxwell, D.J. (606) 156)

Immunohistochemistry
Neuropeptide; Catecholamine; Coexistence; Brain (Orazzo, C. (600) 39)

Retina; Parvalbumin; Calcium; Calcium-binding protein (Sanna, P.P. (600) 141)

Alz-50; Striatum; Heat-shock protein; NADPH diaphorase; Tau protein (Nelson, P.T. (600) 285)

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Inositol trisphosphate receptor; Human brain; Cerebellum; Vestibular nucleus (Suburo, A.M. (601) 193)

Olfactory bulb; Ensheathing cell; Cell culture; Neonatal rat; Ultrastructure (Chuah, M.I. (601) 213)

Chromogranin A; Calbindin-D_{28k}; Parvalbumin; SMI-32; Neuropeptide; Neocortex (Adams, L.A. (602) 336)

Brainstem; Thalamus; Neuropeptide; Retrograde tracing; Rat (Lechner, J. (603) 47)

Coexistence; Substance P; Calcitonin gene-related peptide; Carotid labyrinth (Kusakabe, T. (603) 153)

Basal forebrain; Thalamus; Pedunculopontine tegmental nucleus; Dorsal raphe nucleus; Acetylcholine; Serotonin; Retrograde labeling (Losier, B.J. (604) 41)

Intracellular calcium; Calcium regulation; Calcium pool; In situ hybridization (Campbell, A.M. (605) 67)

Basic fibroblast growth factor; Cerebral cortex; Ischemia; Immunoblot; Neuron; Astrocyte (Kumon, Y. (605) 169)

NGFI-A; Krox-24; Immediate-early gene; Fos; Cytochrome oxidase; Vervet (Chaudhuri, A. (605) 349)

Focal cerebral ischemia; Middle cerebral artery occlusion; Infarct size; Mouse (Chiamulera, C. (606) 251)

Inositol 1,4,5-trisphosphate 3-kinase; Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate; Spine; Ultrastructure (Yamada, M. (606) 335)

Galanin; Intrathecal injection; Mechanical nociception; Thermal nociception; Oxytocin level (Lundeberg, T. (608) 181)

Calbindin-D28k; Calretinin; Parvalbumin; Olfactory epithelium; Vomeronasal organ; Septal organ (Kishimoto, J. (610) 325)

Cysteamine; Somatostatin; Scopolamine; Muscarinic receptor; Working memory; Reference memory; Rat (Ohno, M. (610) 348)

Calpain; Calpastatin; Eye; Rabbit (Persson, H. (611) 272)

Substance P; Pineal gland; Innervation; Central; Bovine (Møller, M. (611) 347)

Nerve growth factor receptor; Calcitonin gene-related peptide; Dorsal root ganglion; Sensory neuron (Zhou, X.-F. (612) 322)

Odor preference formation; Olfactory bulb; Early learning; Glomerulus; Glial fibrillary acidic protein; 2-Deoxyglucose (Matsutani, S. (613) 317)

Calretinin; Calcium-binding protein; Superior colliculus; Eye enucleation; Retinal deafferentation; Plasticity; Rat (Arai, M. (613) 341)

$p34^{cdc2}$; *cdc2* kinase; cdc2-related protein kinase; Nucleolus; Nervous system; Endocrine system (Ino, H. (614) 131)

Cerebral ischemia; Ischemic tolerance; Heat shock protein; Northern blotting; Rat; Western blotting (Nishi, S. (615) 281)

Cerebral ischemia; Striatum; Synaptophysin; Rat (Korematsu, K. (616) 320)

γ-Aminobutyric acid; Substantia nigra; Dopamine; Double labeling; Nigrotectal neuron; Glutamic acid decarboxylase; Tyrosine hydroxylase (Mendez, I. (617) 274)

Barrel cortex; Vasoactive intestinal polypeptide; Module; Spatial organization (Zilles, K. (618) 149)

Cerebral ischemia; Hippocampus; Ischemic tolerance; Ubiquitin; Mongolian gerbil (Kato, H. (619) 339)

Neuropeptide; Opioid; Enkephalin; Cat; Visual cortex; Monoclonal antibody (Gu, Q. (620) 155)

Estradiol; Testosterone; Galanin; Medial preoptic area; Sex difference (Bloch, G.J. (620) 259)

Kidney; Sensory neuron; Neurotrophin; Neurotrophin-3; Liver; Rat (Zhou, X.-F. (621) 189)

Ion channel; Receptor-associated protein; Tubulin (Kirsch, J. (621) 301)

GABA; Neurotransmitter; Cephalopod; Mollusc (Cornwell, C.J. (621) 353)

TrkB; Brain; Neurotrophin; Brain derived-neurotrophic factor; Rat (Zhou, X.-F. (622) 63)

Phosphorylation; Circadian; Phosphoprotein; Suprachiasmatic nucleus (Mikkelsen, J.D. (623) 147)

Cerebellar cortex; Purkinje cell; Parallel fiber; Intracellular HRP (Bishop, G.A. (623) 293)

Quinolinic acid; Excitotoxin; Macrophage; Dendritic cell; Cytokine (Moffett, J.R. (623) 337)

Cerebral ischemia; Hippocampus; Superoxide dismutase; Free radical; Astrocyte; Microglia; Rat (Liu, X.-H. (625) 29)

Nerve injury; Dental pulp; Blood flow; Laser Doppler; Neuropeptide; GAP-43; Neurotrophin receptor; Cat (Olgart, L. (625) 109)

Heat shock protein; Drug-induced hyperthermia; Hippocampus; Methamphetamine; Mouse brain (Goto, S. (626) 351)

Protooncogene; Neocortex; Hippocampus; Guinea pig; Rat (Mihály, A. (627) 225)

Excitotoxin; Kainic acid; Fink–Heimer (silver) degeneration; c-fos; GFAP; Seafood; Emesis (Scallet, A.C. (627) 307)

mGluR1; Somatic sensation; Monoclonal antibody; Immunoblotting; Trigeminal ganglion (Araki, T. (627) 341)

Ovalbumin; Dorsal root ganglia; Chicken; Neurofilament (Williams, R. (627) 354)

Astrocyte; Aging; Polymerase chain reaction; Cysteine protease inhibitor; Cystatin (Yasuhara, O. (628) 85)

Neuron-specific β-tubulin isotype; Monoclonal antibody; Chicken; Ultimobranchial gland; C cell; Nerve fiber (Kameda, Y. (628) 121)

Nitric oxide synthase; Canine artery; Nitroxidergic innervation; Vasodilator nerve (Yoshida, K. (629) 67)

Cerebral ischemia; Ischemic tolerance; Laminin; Dentate hilus; Hippocampus; Mongolian gerbil (Sugimoto, A. (629) 159)

Na^+,K^+-ATPase; Sodium pump; Immunoblotting; Ouabain; Telencephalic culture (Brines, M.L. (631) 1)

Serotonin; Neuromodulation; Chordotonal organ; Primary afferent terminal; In vitro preparation; Crayfish (Rossi-Durand, C. (632) 1)

Immunoneutralization
Neuropeptide Y; Feeding behavior; Paraventricular nucleus; Anti-NPY γ-globulin; Arcuate nucleus (Shibasaki, T. (601) 313)

Immunoreactive insulin
Hypothalamus; Ventromedial nucleus; Paraventricular nucleus; Microdialysis; Genetically obese Zucker rat (Gerozissis, K. (611) 258)

Immunoreactivity
Baroreceptor reflex; Blood pressure; Brainstem; c-*fos*; Catecholamine; Rat; Volume receptor (Narváez, J.A. (602) 342)

Steroid hormone receptor; Androgen; Hypothalamus; Rat (Huang, X. (624) 309)

Immunosuppressant
Neural transplantation; 15-Deoxyspergualin; Cross-species; Cytotoxic T cell (Zhou, J. (621) 155)

Imprinting
Protein kinase C; Protein kinase Cγ; c-*fos*; Fos protein; Chick; Intermediate and medial hyperstriatum ventrale; Learning (Ambalavanar, R. (606) 315)

Artificial selection; Decerebration; Innate preference; Japanese quail; Neural representation (Kovach, J.K. (629) 181)

Inbred and outbred mouse strains
Nitric oxide; Antinociception; Opioid system (Quock, R.M. (614) 52)

Inbred mouse
Aging; Animal model; Brain atrophy; Conditional avoidance; T-maze (Shimada, A. (608) 266)

Inbred mouse strain
Carbamazepine; Cocaine; Pharmacogenetics; Pharmacokinetic; Seizure; Anticonvulsant; Cytochrome P-450 (Marley, R.J. (600) 193)

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Morphine; Opiate tolerance; Dependence and withdrawal; Cyclic AMP-dependent protein kinase; Adenylate cyclase; G-protein; Neuronal excitability; Genetic vulnerability (Guitart, X. (611) 7)

Inclusion body myositis
Oculopharyngeal muscular dystrophy; Rimmed vacuole; Cathepsin; Amyloid precursor protein; Lysosome; Muscle biopsy (Villanova, M. (603) 343)

Independence
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Indirect calorimetry
Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

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Addiction; Morphine; Corticosterone; Locomotor activity (Deroche, V. (623) 341)

Indol
Myenteric plexus; Patch clamp; Intracellular free calcium; Neuronal nicotinic receptor (Trouslard, J. (624) 103)

Indoleamine
Galanin; Water maze; Choline acetyltransferase activity; Thyrotrophin-releasing hormone (Aspley, S. (622) 330)

Indoleamine-2,3 dioxygenase
Macrophage; Kynurenine pathway; Spinal cord trauma; Guinea pig (Blight, A.R. (632) 314)

Indomethacin
Interleukin-1; Glucose production; Gluconeogenesis; Glucose utilization; Prostaglandin; Lactate; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

Induced tolerance
Cerebral ischemia; Hypoperfusion; Heat shock protein 72; Stroke-resistant gerbil (Ohtsuki, T. (614) 279)

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Superior colliculus slice; Synaptic potential; Long-term potentiation; Calmodulin; Protein kinase C; Maintenance (Miyamoto, T. (605) 287)

Chronic lead; Long-term potentiation; Dentate gyrus; Hippocampus; Brain lead (Lasley, S.M. (614) 347)

Infant
Perioral reflex; Orbicularis oris; Active force; Mechanical stimulation; Skin contactor; Electromyography; Child; Adult (Barlow, S.M. (623) 181)

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Focal cerebral ischemia; Middle cerebral artery occlusion; Immunohistochemistry; Mouse (Chiamulera, C. (606) 251)

Inferior colliculus
Ethanol; *N*-Methyl-D-aspartate; Lateral septum; Glutamate (Simson, P.E. (607) 9)

Auditory cortex; Pontine nucleus; Pulse repetition rate (Jen, P.H.-S. (613) 152)

Development; Amplitude modulation; Kitten; Auditory system (Brugge, J.F. (615) 199)

Superior colliculus; Avian auditory system; Hearing impairment; Sound localization; Plasticity; Learning (Mogdans, J. (619) 29)

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Cerebellum; Climbing fiber; Conditioning; Face; Opiate; Nociception (Weiss, C. (605) 207)

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Prostacyclin; Bradykinin; Nociceptor (Birrell, G.J. (611) 103)

Edema; Neutrophil; Rat; Sigma receptor; Spinal cord injury; Vascular permeability (Qu, Z.-X. (626) 45)

Glutamate; Substance P; Aspartate; Calcitonin gene-related peptide; Dorsal horn; Microdialysis; Lidocaine (Sluka, K.A. (627) 89)

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Magnetic coil; Human visual cortex (Amassian, V.E. (605) 317)

Ingestion
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Inhalational
Cerebral vascular resistance; Anesthetic; Isoflurane; Hemorrhage; Vasodilator; Nitric oxide (Chi, O.Z. (630) 214)

Inherited myoclonus
Inhibitory glycine receptor; [^{3}H]Strychnine; Equine; Peruvian Paso (Gundlach, A.L. (628) 263)

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Glycine receptor; Cerebral cortex; Neurotransmitter receptor; Strychnine (Becker, C.-M. (606) 220)

Long-term depression; Hippocampus; Long-term potentiation; Depotentiation; GABA (Zhang, D.X. (613) 309)

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Hippocampus; Brain slice; Adaptation; Electrophysiology; Epilepsy; Surgery (Williamson, A. (622) 194)

Purkinje cell; Recurrent collateral; Cerebellum; New-born rat; System analysis; Cooperativity; Entropy (Bernard, C. (626) 234)

Long-term depression; Tetanization; Hippocampus; Kindling; Epileptogenesis; Electrophysiology; GABA (Merlin, L.R. (627) 330)

Glutamate receptor; Solubilization; Temperature (Hall, R.A. (628) 345)

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Salt stimulus; Glossopharyngeal nerve; Integrated response; Adaptation; 5′-GMP; Bullfrog (Miyamoto, T. (629) 345)

Inhibitory avoidance
Cholinergic system; Dopaminergic system; Memory; Reversal discrimination; Cholinergic/dopaminergic interaction (Gasbarri, A. (627) 72)

Inhibitory control
Dorsal horn; Convergent neuron; Nociception (Cadden, S.W. (628) 65)

Inhibitory glycine receptor
[^{3}H]Strychnine; Inherited myoclonus; Equine; Peruvian Paso (Gundlach, A.L. (628) 263)

Inhibitory interaction
Temporal lobe; Multiple stimulus (Miller, E.K. (616) 25)

Inhibitory post-synaptic potential IPSP
Norepinephrine; Serotonin; Dopamine (Gellman, R.L. (600) 63)

Initial association rate
N-Methyl-D-aspartate; Brain ischemia; NMDA domain; Glycine domain; Non-NMDA receptor (Yoneda, Y. (613) 21)

Injury response
Neural transplant; Quinolinic acid; Neural protection; Rat; Striatum; Excitotoxicity (Pearlman, S. (613) 203)

Innate preference
Artificial selection; Decerebration; Imprinting; Japanese quail; Neural representation (Kovach, J.K. (629) 181)

Inner ear
Calcium-binding protein; S-100; Parvalbumin; Calbindin-D28K; Calmodulin; Sensory hair cell (Kerschbaum, H.H. (617) 43)

Innervation
Substance P; Immunohistochemistry; Pineal gland; Central; Bovine (Møller, M. (611) 347)

Inosine
Cerebral blood flow; Kainic acid; Hypoxanthine; Rat (Sciotti, V.M. (613) 16)

Inositol
Cerebrospinal fluid; Blood–brain barrier; Second messenger (Levine, J. (627) 168)

Inositol hexakisphosphate
Rat cerebellar granule cell; Intracellular free calcium concentration; Calcium uptake; High K^+ stimulation; Inositol trisphosphate; Inositol pentakisphosphate; Central nervous system (Sasakawa, N. (623) 155)

Inositol monophosphatase
Cerebrospinal fluid; Manic depression; Lithium; Magnesium; Bisphosphonate (Atack, J.R. (613) 305)

Inositol pentakisphosphate
Rat cerebellar granule cell; Intracellular free calcium concentration; Calcium uptake; High K^+ stimulation; Inositol trisphosphate; Inositol hexakisphosphate; Central nervous system (Sasakawa, N. (623) 155)

Inositol phosphate
Diacylglycerol; Free fatty acid; Creatine phosphate; Adenosine 5′-triphosphate; Lithium; Cerebral ischemia (Lin, T.-A. (606) 200)

Astrocyte; Glutamate; *t*-ACPD; Phosphoinositide; Metabotropic; Defined medium (Miller, S. (618) 175)

Metabotropic glutamate receptor; Cloned cell line; Glutamate binding; *t*-ACPD; Protein kinase C (Thomsen, C. (619) 22)

Aging; Brain; Muscarinic cholinergic receptor; Depolarization; Intracellular calcium (Hartmann, H. (622) 86)

Phosphoinositide metabolism in vivo; Cholinergic agonist and antagonist; Pilocarpine; Atropine; Mouse cerebrum; Mouse Cerebellum (Lin, T.-A. (622) 169)

Organ of Corti; Modiolus; Muscarinic autoreceptor (Bartolami, S. (626) 200)

Aluminum; Muscarinic receptor; Adrenergic receptor; Metabotropic receptor; Brain slice (Shafer, T.J. (629) 133)

Inositolphospholipid turnover
Thrombin; Primary astrocyte; Endothelin; Endothelin receptor; AP1; Reverse transcriptase PCR (Ehrenreich, H. (600) 201)

Inositol polyphosphate
Astrocyte; Calcium; Lead; Norepinephrine; Phospholipase C (Dave, V. (618) 9)

Inositol 1,3,4,5-tetrakisphosphate
Inositol 1,4,5-trisphosphate 3-kinase; Inositol 1,4,5-trisphosphate; Immunohistochemistry; Spine; Ultrastructure (Yamada, M. (606) 335)

Inositol 1,4,5-trisphosphate
Inositol 1,4,5-trisphosphate 3-kinase; Inositol 1,3,4,5-tetrakisphosphate; Immunohistochemistry; Spine; Ultrastructure (Yamada, M. (606) 335)

Hippocampus; Receptor autoradiography; Synaptic plasticity; Transplantation (Zheng, J. (624) 299)

Sympathetic ganglion; M-current; Calcium; Potassium current; Patch-clamp; Muscarinic receptor; Phosphorylation (Chen, H. (625) 323)

Inositol trisphosphate
Photoreceptor; Second messenger; Transduction; Crayfish; Calcium; GTP; Caudal photoreceptor (Kruszewska, B. (618) 32)

Rat cerebellar granule cell; Intracellular free calcium concentration; Calcium uptake; High K^+ stimulation; Inositol pentakisphosphate; Inositol hexakisphosphate; Central nervous system (Sasakawa, N. (623) 155)

Inositol 1,4,5-trisphosphate 3-kinase
Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate; Immunohistochemistry; Spine; Ultrastructure (Yamada, M. (606) 335)

Inositol trisphosphate receptor
Human brain; Cerebellum; Vestibular nucleus; Immunohistochemistry (Suburo, A.M. (601) 193)

Input–output relation
Synaptic gain; Depolarizing bipolar cell; Hyperpolarizing bipolar cell; Spectral sensitivity; Response–intensity relation; Horizontal cell; Dark adaptation (Yang, X.-L. (613) 275)

Input resistance
Respiratory neuron; Membrane potential; Baclofen; Tetrodotoxin; Iontophoresis (Haji, A. (622) 294)

Insect
Escape behavior; Interneuron, giant; Locomotion (Keegan, A.P. (620) 310)

Insecticide
Pyrethroid; Allethrin; Sodium channel; Tetrodotoxin; Dorsal root ganglion (Ginsburg, K.S. (627) 239)

In situ
CA1; NMDA; Synaptic activation; Antidromic; Firing blockade; Axon–soma transmission (Herreras, O. (616) 330)

Hybridization; Caudate-putamen (Lester, J. (621) 106)

In situ hybridization
Heat shock protein (HSP) 70; Heat shock cognate protein (HSC) 70; Ischemia; Gerbil (Aoki, M. (601) 185)

c-*fos* mRNA expression; Ca^{2+} uptake; Membrane potential; Cortical lesion (Ruzdijic, S. (601) 230)

Intracellular calcium; Calcium regulation; Calcium pool; Immunohistochemistry (Campbell, A.M. (605) 67)

Thyroliberin; Dietary protein; Thyroid axis (Shi, Z.-X. (606) 1)

Rhesus monkey; Prorhinal cortex; Perirhinal cortex; Superior temporal sulcus; Cytochrome oxidase; Cortico-cortical connection; Alzheimer's disease (Chandrasekaran, K. (606) 213)

Tyrosine hydroxylase; Parkinson's disease; Quantitative immunohistochemistry (Kastner, A. (606) 341)

Tryptophan hydroxylase; Aromatic L-amino acid decarboxylase; Enzyme activity; 5,7-Dihydroxytryptamine; Serotonergic cell body and terminal (Park, D.H. (609) 59)

Grain counting; GAD67 mRNA; Glutamic acid decarboxylase activity; Prelimbic area; Anterior cingulate area (Retaux, S. (611) 187)

Galanin mRNA; Gonadal steroids (Miller, M.A. (611) 338)

Aging; Neurotensin; Striatum; Nucleus accumbens; Haloperidol; Dopamine receptor; Fischer 344 (Dobie, D.J. (616) 105)

Striosome; Matrix; Basal forebrain; Calbindin-D_{28k} (Rappaport, M.S. (616) 242)

Middle cerebral artery occlusion; Ischemia; Heat shock protein; mRNA; Immunocytochemistry (Kinouchi, H. (619) 334)

Tryptophan hydroxylase; Tyrosine hydroxylase; mRNA; Reserpine; Caudal brainstem; Adrenal gland (Park, D.H. (620) 331)

Motor neuron disease; Alpha motoneuron; Degeneration; Trk; Neurotrophin (Seeburger, J.L. (621) 111)

Cerebral ischemia; Gerbil; Heat shock protein 90 (Kawagoe, J.-i. (621) 121)

Brain; Basic fibroblast growth factor; mRNA; Rose bengal; Cerebral ischemia; Rat (Lippoldt, A. (625) 45)

Nitric oxide; Paraventricular nucleus (Ceccatelli, S. (625) 177)

Volkensin; Basal ganglia; Striatum; A2 adenosine receptor (Pollack, A.E. (631) 161)

Glutamate receptor; Circadian rhythm; Suprachiasmatic nucleus; Rat (Mikkelsen, J.D. (632) 329)

In situ hybridization histochemistry
α-Tubulin; β-Actin; Messenger RNA; Ischemia; Bifemelane; Gerbil (Asanuma, M. (600) 243)

In situ phosphorylation
Slice; Neurotransmitter release; Synapsin I; Pseudosubstrate peptide (Waxham, M.N. (609) 1)

Inspiratory neuron
Respiration; Vomiting; Coughing; Kainic acid; Cervical spinal cord; Propriospinal neuron; Intercostal discharge pattern (Miller, A.D. (606) 143)

Instrumental behavior
Nucleus accumbens; Neostriatum; Dopamine; Motivation; Motor control; Parkinsonism (Salamone, J.D. (628) 218)

Insular cortex
Stroke; Cardiac pathology; Sympathetic activity; Hypertension (Butcher, K.S. (621) 79)

Insular lobe
Neuropeptide Y; Monkey; Immunocytochemistry; Cerebral cortex; Non-human primate (Augustine, J.R. (603) 255)

Insulin
Locus ceruleus; Norepinephrine transporter; Catecholamine (Figlewicz, D.P. (602) 161)

Development; Rabbit; Brain; Insulin-like growth factor; Receptor (Devaskar, S.U. (605) 101)

2-Deoxyglucose; Intracerebroventricular; Neuroglucopenia; Glucose metabolism; Protein metabolism; Glucagon; Catecholamine; Dog (Molina, P.E. (614) 99)

Locus ceruleus; Tissue culture; Norepinephrine; Survival; Differentiation; Tyrosine hydroxylase (Sklair-Tavron, L. (614) 257)

Galanin; Hypothalamus; Obesity; Overeating; Growth hormone; Hypothalamo-pituitary-adrenal axis; Fasting (Beck, B. (623) 124)

Insulin-like growth factor
Development; Rabbit; Brain; Insulin; Receptor (Devaskar, S.U. (605) 101)

Insulin-like growth factor I
Brain; Olfactory bulb; Basic fibroblast growth factor; DNA synthesis; protein synthesis (Werther, G.A. (617) 339)

Insulin-like growth factor II
Somatomedin; Axon; Nerve growth factor; Neurite; Sensory ganglia (Fernyhough, P. (607) 117)

Insulin regulation
Autonomic nervous system; Dorsal vagal nucleus; Parasympathetic nervous system; Pseudorabies virus; Vagus nerve; Ventral medulla; Viral transneuronal labeling (Loewy, A.D. (620) 323)

Intact
Testosterone; Steroid receptor; Steroid abuse; Athlete; Castration; Immunocytochemistry; Optical density (Menard, C.S. (622) 226)

Integrated response
Salt stimulus; Glossopharyngeal nerve; Adaptation; Inhibition; 5′-GMP; Bullfrog (Miyamoto, T. (629) 345)

Intensity increment
Auditory nerve fiber; Spontaneous discharge rate; Adaptation; Guinea pig (Winter, I.M. (618) 167)

Interaction
NMDA receptor antagonist; Competitive; Non-competitive; Hot-plate; Intracerebroventricular; Intrathecal; Intraperitoneal (Näsström, J. (623) 47)

Intercellular coupling
Carotid body; Glomus cell (Monti-Bloch, L. (622) 119)

Intercostal discharge pattern
Respiration; Vomiting; Coughing; Kainic acid; Cervical spinal cord; Inspiratory neuron; Propriospinal neuron (Miller, A.D. (606) 143)

Interferon
Interleukin 1; Tumor necrosis factor; Glia; Oscillations; Forskolin; Fura-2; Calcium (Holliday, J. (621) 233)

Intergeniculate leaflet
Circadian rhythm; Fos-like immunoreactivity; Light stimulus; MK-801; *N*-Methyl-D-aspartate receptor; Suprachiasmatic nucleus (Park, H.T. (610) 334)

Cytoarchitecture; Immunocytochemistry; Neuropeptide Y (Laemle, L.K. (618) 352)

Neuropeptide Y; Suprachiasmatic nucleus; Circadian rhythm; Pacemaker; Brain slice; Rat (Medanic, M. (620) 281)

Hamster; Photic response; Entrainment; Serotonin; Melatonin; 5-HT receptor; Microiontophoresis (Ying, S.-W. (628) 8)

Calcitonin gene-related peptide; Circadian rhythm; Geniculogeniculate projection; Mouse; Suprachiasmatic nucleus (Park, H.T. (629) 335)

Interhemispheric
Callosotomy; Dodging; Thigmotaxis; Lateralized behavior; Rotational behavior; Striatum; Amphetamine; Apomorphine (Sullivan, R.M. (609) 347)

Interictal spike
Experimental epilepsy; Epileptic focus; Discharge pattern; Penicillin; EEG (Dorn, T. (616) 303)

Interictal state
Local cerebral glucose utilization; Spontaneously epileptic rat; Autoradiography; [^{14}C]2-Deoxyglucose; Hippocampus; Amygdala; Hypometabolism (Saji, H. (601) 76)

Interleukin
Lymphokine; Hippocampal neuron; Neurotrophic; Neuronal survival (Araujo, D.M. (600) 49)

Nitric oxide; L-Arginine; Nitroprusside; Molsidomine; Nitric oxide synthase; Corticotropin-releasing hormone; Hypothalamus (Costa, A. (605) 187)

Antioxidant enzyme; Hyperthermia; Hypothalamus; Radiation (Kandasamy, S.B. (606) 106)

Interleukin-1
Tumor necrosis factor; Nitric oxide synthase; Astrocytoma cell; Guanylate cyclase (Vigne, P. (606) 332)

Hypothalamus; Pig; Neuron; Endothelium; Glia (Molenaar, G.J. (608) 169)

Cytokine; Luteinizing hormone; Opioid; Opioid receptor; Corticotrophin releasing hormone; Luteinizing hormone pulse (Bonavera, J.J. (612) 1)

Interleukin-6; Tumor necrosis factor; Endotoxin; Fever mechanism; Blood–brain barrier (Coceani, F. (612) 165)

Interleukin-6; Body temperature; Spatial learning (Oitzl, M.S. (613) 160)

c-*fos*; Fos immunoreactivity; Hypothalamus; Oxytocin; Vasopressin (Chang, S.L. (617) 123)

Interferon; Tumor necrosis factor; Glia; Oscillations; Forskolin; Fura-2; Calcium (Holliday, J. (621) 233)

Interleukin-6; Tumor necrosis factor-α; Corticotropin-releasing hormone; Prostaglandin; Norepinephrine turnover; Hypothalamus (Terao, A. (622) 257)

Interleukin-1 receptor antagonist; LiCl; Endotoxin; Hyperalgesia (Maier, S.F. (623) 321)

Glucose production; Gluconeogenesis; Glucose utilization; Prostaglandin; Indomethacin; Lactate; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

Tumor necrosis factor; Interleukin-6; Interleukin-1 receptor antagonist; Endotoxin; Brain; Rat (Gatti, S. (624) 291)

Aurintricarboxylic acid; β-Amyloid precursor protein; Alzheimer's disease (Joseph, R. (625) 244)

Interleukin-2
Neuronal survival; Neurite extension; Cell culture; Fetal rat brain (Sarder, M. (625) 347)

Interleukin-6
Tumor necrosis factor; Interleukin-1; Endotoxin; Fever mechanism; Blood–brain barrier (Coceani, F. (612) 165)

Interleukin-1; Body temperature; Spatial learning (Oitzl, M.S. (613) 160)

Interleukin-1; Tumor necrosis factor-α; Corticotropin-releasing hormone; Prostaglandin; Norepinephrine turnover; Hypothalamus (Terao, A. (622) 257)

Tumor necrosis factor; Interleukin-1; Interleukin-1 receptor antagonist; Endotoxin; Brain; Rat (Gatti, S. (624) 291)

Alzheimer's disease; Acute phase protein; Interleukin-1β; Interleukin-1 receptor antagonist; α2-Macroglobulin; C-reactive protein (Wood, J.A. (629) 245)

Interleukin-1β
Endotoxin; Organum vasculosum laminae terminalis; Fever and in situ hybridization (Nakamori, T. (618) 155)

Nociception; Hyperalgesia; Interleukin-1 receptor antagonist; α-Melanocyte-stimulating hormone; Corticotropin-releasing factor; Arachidonate cascade (Oka, T. (624) 61)

HPA axis; Catecholaminergic control; Stress; Rat (Barbanel, G. (626) 31)

Cytokine; Electrophysiology; Excitatory postsynaptic potential; HIV-1 associated dementia; Learning and memory; Synaptic transmission (Bellinger, F.P. (628) 227)

Alzheimer's disease; Acute phase protein; Interleukin-1 receptor antagonist; Interleukin-6; α2-Macroglobulin; C-reactive protein (Wood, J.A. (629) 245)

Interleukin-1 receptor antagonist
Interleukin-1; LiCl; Endotoxin; Hyperalgesia (Maier, S.F. (623) 321)

Interleukin-1β; Nociception; Hyperalgesia; α-Melanocyte-stimulating hormone; Corticotropin-releasing factor; Arachidonate cascade (Oka, T. (624) 61)

Tumor necrosis factor; Interleukin-1; Interleukin-6; Endotoxin; Brain; Rat (Gatti, S. (624) 291)

Alzheimer's disease; Acute phase protein; Interleukin-1β; Interleukin-6; α2-Macroglobulin; C-reactive protein (Wood, J.A. (629) 245)

Intermediate and medial hyperstriatum ventrale
Protein kinase C; Protein kinase Cγ; c-*fos*; Fos protein; Chick; Imprinting; Learning (Ambalavanar, R. (606) 315)

Intermediolateral cell column
Sympathetic preganglionic neuron; Postganglionic neuron; Retrograde tracing; Kidney; Renal nerve (Schramm, L.P. (616) 251)

Intermediolateral column
Nitric oxide synthase; Phenylethanolamine *N*-methyltransferase; Ventral medullary surface; Double labelling (Iadecola, C. (603) 173)

Intermediolateral nucleus
Sacral parasympathetic nucleus; Retrograde transport; Cat (Lü, Y. (632) 351)

Interneuron
Octopamine; Immunocytochemistry; Central nervous system; Snail; *Lymnaea stagnalis* (Elekes, K. (608) 191)

Brainstem; Trigeminal motor nucleus; Facial nucleus; Hypoglossal nucleus; Fluorescent tracer; Rat (Li, Y.-Q. (611) 160)

Calbindin-like immunoreactivity; Hippocampal formation; Projection neuron; Paridae and corvidae; Food-storing behaviour (Montagnese, C.M. (614) 291)

Biopsy; Neocortex; Basket formation; Perivascular fiber; Microflow (DeFelipe, J. (615) 342)

Interneuron, giant
Escape behavior; Insect; Locomotion (Keegan, A.P. (620) 310)

Interpeduncular nucleus
Kindling; Brainstem; Amygdala; Bisection (Hirayasu, Y. (610) 354)

Interplexiform cell
Neuropeptide; Classical transmitter; Coexistence; Immunocytochemistry; Autoradiography (Watt, C.B. (617) 131)

Interpositus nucleus
Cerebellum; Cortical masticatory area; Mastication; Jaw movement; Rhythm; Resetting (Katayama, T. (617) 143)

Interspike interval function
Cat muscle spindle; Primary afferent; Slow adaptation; Intrafusal muscle fiber (Awiszus, F. (612) 110)

Intestine
Feeding suppression; Satiation; Apolipoprotein A-IV; Lipid meal; Mesenteric lymph; Chylomicron; Meal size (Fujimoto, K. (608) 233)

Intra-axonal staining
L-Glutamate; Immunogold reaction; Primary afferent axon; Neurotransmitter (Maxwell, D.J. (606) 156)

Intra-carotid injection
Blood–brain barrier; Liposome; Osmotic treatment; Sulfatide (Sakamoto, A. (629) 171)

Intracellular
Central amygdaloid nucleus; Accommodation; Afterhyperpolarization; In vitro; Electrophysiology; Current clamp (Schiess, M.C. (604) 283)

Striatum; Tetanus; Synaptic depression; Corticostriatal; EPSP (Walsh, J.P. (608) 123)

Intracellular buffer
Rodent brain; Calcium-binding protein; Radioimmunoassay; Image analysis (Plogmann, D. (600) 273)

Intracellular Ca^{2+}
Dendritic spine protein; LTP-associated protein; Phorbol ester-activated Cl^- current (Cohen, R.W. (627) 147)

Intracellular calcium
Calcium regulation; Calcium pool; Immunohistochemistry; In situ hybridization (Campbell, A.M. (605) 67)

Cerebellum granule cell; Excitatory amino acid; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Aging; Brain; Muscarinic cholinergic receptor; Depolarization; Inositol phosphate (Hartmann, H. (622) 86)

Cultured neuron; Nitroarginine; Glutamate; Hemoglobin; Cyclic GMP (Tanaka, T. (631) 72)

Intracellular distribution
Monoamine oxidase A; Monoamine oxidase B; Monoclonal antibody; Regional brain localization; Cellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

Intracellular free calcium
Myenteric plexus; Patch clamp; Indol; Neuronal nicotinic receptor (Trouslard, J. (624) 103)

Intracellular free calcium concentration
Rat cerebellar granule cell; Calcium uptake; High K^+ stimulation; Inositol trisphosphate; Inositol pentakisphosphate; Inositol hexakisphosphate; Central nervous system (Sasakawa, N. (623) 155)

Intracellular HRP
Cerebellar cortex; Purkinje cell; Parallel fiber; Immunohistochemistry (Bishop, G.A. (623) 293)

Intracellular membrane system
Ryanodine binding protein; Calcium ion channel; Purkinje neuron; Antibody; Brain (Ouyang, Y. (620) 269)

Intracellular pH
Carotid body; Glomus cell; Membrane potential (He, S.-F. (601) 353)

Carotid body; Glomus cell; Hypoxia; Membrane potential (Pang, L. (623) 349)

Intracellular recording
Hippocampus; CA1; Subiculum; Brain slice; Burst-firing; Intracellular staining (Mason, A. (600) 174)

Nucleus parabrachialis; Monosynaptic excitatory postsynaptic potential; Convergent input; Lateral hypothalamus (Granata, A.R. (600) 315)

Corticosteroid hormone; Carbachol; Hippocampus; Rat (Hesen, W. (627) 159)

Intracellular staining
Hippocampus; CA1; Subiculum; Brain slice; Intracellular recording; Burst-firing (Mason, A. (600) 174)

Horseradish peroxidase; Primary afferent; Trigeminal; Motor control (Donga, R. (626) 347)

Intracerebral injection
Salmon calcitonin; Brain mapping; Pain sensation; Body temperature (Sellami, S. (616) 307)

Intracerebral microdialysis
Dopamine release; $GABA_A$ and $GABA_B$ receptors; Prefrontal cortex; Rat (Santiago, M. (630) 28)

Intracerebral transplantation
Brain-derived neurotrophic factor; Nerve-growth factor; Dopamine; Parkinson's disease (Sauer, H. (626) 37)

Intracerebroventricular
Blood pressure; AT1; AT2; Angiotensin receptor subtype (Toney, G.M. (603) 57)

Morphine dependence; Locus ceruleus; Electrolytical lesion; Methylnaloxonium (Maldonado, R. (605) 128)

Intrathecal; μ-Opiod; δ-Opiod; κ-Opioid; DAMGO; DPDPE; U50,488H; Synergy (Miaskowski, C. (608) 87)

2-Deoxyglucose; Neuroglucopenia; Glucose metabolism; Protein metabolism; Insulin; Glucagon; Catecholamine; Dog (Molina, P.E. (614) 99)

NMDA receptor antagonist; Competitive; Non-competitive; Hot-plate; Intrathecal; Intraperitoneal; Interaction (Näsström, J. (623) 47)

Interleukin-1; Glucose production; Gluconeogenesis; Glucose utilization; Prostaglandin; Indomethacin; Lactate; Rat (Lang, C.H. (624) 53)

Neuropeptide Y; Norbinaltorphimine; Feeding; Rat (Lambert, P.D. (629) 146)

Intracerebroventricular administration
ACTH(1–24); Grooming behavior; Pressor response; ACTH/MSH-like peptide (Versteeg, D.H.G. (631) 265)

Intracortical microstimulation
Somatosensory cortex; Fifth somatosensory cortex; Cat; Anterior suprasylvian sulcus (Mori, A. (602) 143)

Intracranial pressure
Choroid plexus epithelium; $^{36}Cl^-$ efflux coefficient; Anion exchange; Hydrocephalus; Rat (Knuckey, N.W. (618) 313)

Intracranial self-stimulation
In vivo voltammetry; Fast-scan cyclic voltammetry; Dopamine; Electrical stimulation; Uptake inhibition; Nomifensine (Young, S.D. (600) 305)

Lateral hypothalamus; Ibotenic acid; Lesion; Tuberomammillary nucleus (Wagner, U. (613) 269)

Intrafusal muscle fiber
Cat muscle spindle; Primary afferent; Slow adaptation; Interspike interval function (Awiszus, F. (612) 110)

Intrahypothalamic infusion
α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Oxytocin; Paraventricular nucleus; Rat (Van Erp, A.M.M. (607) 108)

Intrahypothalamic injection
Adrenocorticotropic hormone; α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Paraventricular nucleus; Rat; Scratching (Van Erp, A.M.M. (603) 296)

Intranasal inoculation
Tract-tracing; Rhabdovirus; Viral propagation; Main olfactory system (Astic, L. (619) 146)

Intraneural stimulation
Microneurography; Peripheral nerve; Degeneration; Regeneration (Rice, A.S.C. (631) 221)

Intraperitoneal
NMDA receptor antagonist; Competitive; Non-competitive; Hot-plate; Intracerebroventricular; Intrathecal; Interaction (Näsström, J. (623) 47)

Intrascapular brown adipose tissue temperature and blood flow
Ventromedial hypothalamus electrical stimulation; Laser Dopler flowmetry; Pressor and tachycardic response; Antagonism by IBAT nerve denervation (Thornhill, J. (615) 289)

Intrastriatal infusion
Amphetamine; Freely moving rat; Haloperidol; Single-unit recording; Striatum (Wang, Z. (627) 79)

Intrastriatal microdialysis
Caudate-putamen; Excitotoxic lesion; GABA; Glial; Ibotenic acid; Neuronal (Campbell, K. (614) 241)

Intrathecal
Intracerebroventricular; μ-Opiod; δ-Opiod; κ-Opioid; DAMGO; DPDPE; U50,488H; Synergy (Miaskowski, C. (608) 87)

NMDA receptor antagonist; Competitive; Non-competitive; Hot-plate; Intracerebroventricular; Intraperitoneal; Interaction (Näsström, J. (623) 47)

Intrathecal injection
Galanin; Mechanical nociception; Thermal nociception; Oxytocin level; Immunohistochemistry (Lundeberg, T. (608) 181)

Intrathecal space
Regional superfusion; Vaginocervical stimulation; Potassium stimulation; Analgesia; Nociception; Glycine; GABA; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

Intraventricular injection
Calcium; Spontaneously hypertensive rat; Wistar-Kyoto rat; Ca^{2+} channel blocker; Sympathetic nervous system (Kusano, S. (618) 63)

Intrinsic property
Purkinje cell; Oscillatory activity; Hyperpolarization-activated cation current; Zero slope resistance (Chang, W. (614) 335)

Intubation
Cells-per-track; Depolarization–inactivation; Electrophysiology; Ethanol; Single-unit extracellular recording (Shen, R.-Y. (622) 289)

In vitro
Spinal cord injury; Regeneration; Command system; Lamprey; Locomotion; Brainstem (Davis Jr., G.R. (602) 131)

Nucleus tractus solitarii; Membrane property; Ionic current; Rat (Paton, J.F.R. (604) 112)

Intracellular; Central amygdaloid nucleus; Accommodation; Afterhyperpolarization; Electrophysiology; Current clamp (Schiess, M.C. (604) 283)

cAMP; Respiratory rhythm; Pre-I neuron; Rostral ventrolateral medulla; Newborn rat (Arata, A. (605) 193)

Suprachiasmatic nucleus; Circadian rhythm; Tetrodotoxin; Glucose utilization; Single unit activity (Shibata, S. (606) 259)

Red nucleus; Turtle; Slow EPSP; Excitatory amino acid (Keifer, J. (608) 349)

Long-term potentiation; Serotonin; Serotonin 5-HT_{1A} receptor; Hippocampus; Norepinephrine (Sakai, N. (613) 326)

Cell-attached patch; Whole-cell voltage clamp; Anoxia; Cyanide (Jiang, C. (614) 352)

Respiration; Hypoglossal nerve; Brain tissue oxygen; Hypoxia; Ischemia (Schäfer, T. (618) 246)

MAP2; Cytoskeleton; Anoxia; Brain slice (Kwei, S. (620) 203)

Thoraco-abdominal preparation; Motor activity; Swimmeret system; Abdominal positioning system; Serotonin; Proctolin; *Procambarus clarkii* (G.) (Barthe, J.-Y. (623) 101)

Spinal cord; Neurokinin; High threshold ventral root potential; Windup (Thompson, S.W.N. (625) 100)

Hippocampus; Epilepsy; Lactate; Depolarization; Energy; Neuroprotection (Stittsworth Jr., J.D. (630) 21)

In vitro binding
5-Iodo-6-nitroquipazine; Serotonin uptake complex; Serotonin; Brain (Mathis, C.A. (619) 229)

In vitro incubation
Median eminence; Periventricular nucleus; Negative short-loop feedback; GRF; Somatostatin; Growth hormone (Aguila, M.C. (623) 89)

Median eminence; Periventricular nucleus; Gene expression; Secretion; SRIF; GRF (Aguila, M.C. (625) 213)

In vitro model
Endothelial cell; Astrocyte; Blood–brain barrier; Human (Hurwitz, A.A. (625) 238)

In vitro preparation
Kindling; Epilepsy; Piriform cortex; Perirhinal cortex; Amygdala; Electrophysiology (McIntyre, D.C. (624) 268)

Serotonin; Neuromodulation; Chordotonal organ; Primary afferent terminal; Immunohistochemistry; Crayfish (Rossi-Durand, C. (632) 1)

In vitro receptor autoradiography
Non-opioid γ-type endorphin; Neuropeptide; Mesocorticolimbic system; Topography; Anti-idiotypic antibody (Ronken, E. (615) 63)

In vitro recording
Dorsal raphe nucleus; Glibenclamide; Gliquidone; Lemakalim; K(ATP) channel; Serotonin neuron; GABA (Haj-Dahmane, S. (614) 270)

In vitro slice
Lactation; Pregnancy; Oxytocin receptor; Electrophysiology; Limbic system; Maternal behavior; Milk ejection (Ingram, C.D. (602) 325)

In vivo
Acetylcholinesterase; Spectrophotometry; Striatum; Rat; Radioprotective compound; WR 2721 (Clarençon, D. (608) 155)

Respiratory neuron; Cat; Brainstem; Substance P (4–11) amide; Serotonin; Microiontophoresis (Rampin, O. (622) 185)

In vivo brain dialysis
Opioid; Nicotine; Mesolimbic dopamine neuron (Yoshida, M. (624) 277)

In vivo imaging
5-Iodo-6-nitroquipazine; Serotonin uptake complex; Serotonin; Brain; Autoradiography (Biegon, A. (619) 236)

In vivo microdialysis
Corticotropin-releasing factor; Hypothalamus; Noradrenaline (Emoto, H. (601) 286)

Dopamine release; Striatum; Halothane dose; Anesthesia state; Blood pressure (Miyano, K. (605) 342)

Striatum; Hippocampus; L-DOPA; Dopamine synthesis; Dopamine release; Dopaminergic neuron (Mizoguchi, K. (611) 152)

Opioid receptor; Morphine; DPDPE; U-69593; Serotonin; Hippocampus; Rat (Yoshioka, M. (613) 74)

D-Amphetamine; Iprindole; Dopamine; Glutamate; Neurotoxicity (Nash, J.F. (627) 1)

In vivo release
Calcitonin gene-related peptide; Spinal cord; μ ∂ and κ Opioid receptors; Morphine (Collin, E. (609) 211)

In vivo spin-trapping
Nitric oxide; Cryogenic electron paramagnetic resonance; Focal ischemia; Endothelium-derived relaxing factor; Nitric oxide synthase inhibitor (Tominaga, T. (614) 342)

In vivo voltammetry
Fast-scan cyclic voltammetry; Dopamine; Electrical stimulation; Intracranial self-stimulation; Uptake inhibition; Nomifensine (Young, S.D. (600) 305)

Dopamine; Norepinephrine; Electrical stimulation; Voltage-sensitive calcium channel; Calcium antagonist (Mitchell, K. (604) 349)

Aging; Ascorbate; Dopamine; Nucleus accumbens; Caudate-putamen; Frontal cortex; Rat (Svensson, L. (609) 36)

Serotonin; 8-OH-DPAT; Temperature; Frontal cortex; Nucleus raphe dorsalis; Stress; Rat (Clement, H.-W. (614) 117)

Morphine withdrawal; Locus coeruleus; Excitatory amino acid antagonist; Naloxone; Opioid (Hong, M. (623) 131)

Inward rectifier
Mineralocorticoid; Glucocorticoid; A-current; Delayed rectifier; Patch clamp; Hippocampal slice (Karst, H. (612) 172)

Inward rectifying current
Serotonin; H-current; Purkinje cell; Voltage clamp; Cerebellar brain slice (Li, S.-J. (617) 87)

Iodoacetate
Mercuric chloride; *N*-Ethylmaleimide; Glutamate; Astrocyte; Transport (Albrecht, J. (607) 249)

5-Iodo-6-nitroquipazine
Serotonin uptake complex; Serotonin; In vitro binding; Brain (Mathis, C.A. (619) 229)

Serotonin uptake complex; Serotonin; In vivo imaging; Brain; Autoradiography (Biegon, A. (619) 236)

Ion channel
Receptor-associated protein; Tubulin; Immunohistochemistry (Kirsch, J. (621) 301)

Alzheimer's disease; Cerebral cortex; Ca^{2+}; K^+ (Ikeda, M. (630) 50)

Osmotic effect; Hypoglycemia; Whole-cell patch-clamp; Dissociated neuron (Somjen, G.G. (632) 180)

Ion flux
Ischemia; Brain; Metabolism; Recirculation (Ekholm, A. (604) 185)

Ionic current
Nucleus tractus solitarii; Membrane property; In vitro; Rat (Paton, J.F.R. (604) 112)

Type I hair cell; Vestibular system; Semicircular canal; γ-Aminobutyric $acid_B$; Cytosolic calcium; Guinea-pig (Lapeyre, P.N.M. (609) 269)

Ionotropic receptor
Extracellular recording; Metabotropic receptor; Cultured cerebellar neuron; Quisqualate; ACPD; AMPA (Fox, E.A. (631) 59)

Iontophoresis
Lidocaine; Analgesia; Glycine; Strychnine; Wide dynamic range neuron (Biella, G. (603) 201)

Respiratory neuron; Membrane potential; Input resistance; Baclofen; Tetrodotoxin (Haji, A. (622) 294)

Ion transport
Glucose; Lactate; Hypoxia; Hippocampus; Oxidative phosphorylation; Energy metabolism (Roberts Jr., E.L. (620) 251)

Iprindole
D-Amphetamine; Dopamine; Glutamate; In vivo microdialysis; Neurotoxicity (Nash, J.F. (627) 1)

Ipsapirone
Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1C} receptor; Serotonin 5-HT_2 receptor; Oxytocin; Vasopressin; Male rat; Buspirone; DOI; 8-OH-DPAT; Ritanserin; NAN-190 (Bagdy, G. (611) 330)

Ipsilateral hemiconvulsive seizure
Kindled seizure; Substantia innominata; Amygdala; Procaine; Elevation of seizure threshold (Mori, N. (610) 344)

Iron
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Irritation
Carbonic anhydrase; Nociception; Chemonociception; Paresthesia; Chemoreceptor (Komai, M. (612) 122)

Ischemia
α-Tubulin; β-Actin; Messenger RNA; Bifemelane; Gerbil; In situ hybridization histochemistry (Asanuma, M. (600) 243)

Action potential; Anoxia; Bicuculline; γ-Aminobutyric acid; Myeli; Neurotransmitter; Receptor; Spinal cord injury (Lee, M. (601) 14)

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Metabolism; Anoxia; Excitotoxicity; Turtle brain; Microdialysis (Pérez-Pinzón, M.A. (602) 228)

Brain; Ion flux; Metabolism; Recirculation (Ekholm, A. (604) 185)

Spreading depression; Calcium; Hippocampus; Hypoxia; Calcium channel; Potassium (Jing, J. (604) 251)

Basic fibroblast growth factor; Cerebral cortex; Immunohistochemistry; Immunoblot; Neuron; Astrocyte (Kumon, Y. (605) 169)

Reperfusion; Dopamine release; Striatum; *N*-Methyl-D-aspartate receptor; Cardiac arrest (Werling, L.L. (606) 99)

Development; Hippocampus; Ultrastructure; Immunocytochemistry; Rat (Goodman, J.H. (606) 309)

Hippocampus; MK-801; Mg^{2+}; CA1; Rat (Papas, S. (607) 54)

Cysteine; Glutathione; Neurotoxicity; Hippocampus; Striatum (Slivka, A. (608) 33)

Calpain-inhibitor I; Leupeptin; Hippocampus; Hypoxia (Rami, A. (609) 67)

Calcium; Energy depletion; Excitatory amino acid (Kim-Lee, M.H. (613) 156)

Acetylcholine; Cerebral cortex; N^6-Cyclopentyl adenosine; CGS 21680 (Phillis, J.W. (613) 337)

In vitro; Respiration; Hypoglossal nerve; Brain tissue oxygen; Hypoxia (Schäfer, T. (618) 246)

Atrophy; DNQX; KB-2796; Middle cerebral artery occlusion; Rat (Hara, H. (618) 251)

Anoxia; Astrocyte; Glutamate; Hypothermia (Huang, R. (618) 346)

U-50,488H; Nor-binaltorphimine; Memory; Body temperature; Mouse (Itoh, J. (619) 223)

Middle cerebral artery occlusion; Heat shock protein; mRNA; In situ hybridization; Immunocytochemistry (Kinouchi, H. (619) 334)

Cardiac arrest; Dog; Hypothermia; Perinatal; Regional cerebral blood flow (Yager, J.Y. (620) 122)

Glutamate; Aspartate; Transport; Excitotoxicity; Neuronal death (Anderson, K.J. (622) 93)

Glutamate; GABA; NMDA; Dizocilpine; Excitotoxicity; Excitatory amino acid (Sakurai, S.Y. (625) 181)

Ischemia/reperfusion injury; Free radical; Spin trap; Oxypurinol; Electron spin resonance (Phillis, J.W. (628) 309)

Astrocyte; Glia; Hypoxia; Cell death; Arachidonate; Hypothermia (Haun, S.E. (631) 352)

Hypoxia; Spreading depression; Anoxic depolarization; Membrane current; Voltage clamp; Hippocampal slice (Czéh, G. (632) 195)

Ischemia, cerebral
α_2 Adrenergic agonist; Dexmedetomidine; Norepinephrine; Microdialysis; Rabbit (Matsumoto, M. (627) 325)

Ischemia-like condition
Microfluorometry; Rhod-2; Calcium; Hippocampus; Dantrolene; Extracellular DC potential; Gerbil (Mitani, A. (601) 103)

Ischemia / reperfusion injury
Ischemia; Free radical; Spin trap; Oxypurinol; Electron spin resonance (Phillis, J.W. (628) 309)

Ischemic brain damage
Ca^{2+} antagonist; Oxidative metabolism; Brain neuron; 2′,7′-Dichlorofluorescin diacetate (Oyama, Y. (610) 172)

Ischemic penumbra
Spreading depression; Cerebral ischemia; Microdialysis; Amino acid; Migraine; Stroke (Fabricius, M. (612) 61)

Ischemic tolerance
Cerebral ischemia; Heat shock protein; Northern blotting; Rat; Immunohistochemistry; Western blotting (Nishi, S. (615) 281)

Cerebral ischemia; Hippocampus; Ubiquitin; Immunohistochemistry; Mongolian gerbil (Kato, H. (619) 339)

Transient forebrain ischemia; Manganese superoxide dismutase; Copper-zinc superoxide dismutase; Hippocampus; Gerbil (Ohtsuki, T. (620) 305)

Cerebral ischemia; Laminin; Dentate hilus; Hippocampus; Immunohistochemistry; Mongolian gerbil (Sugimoto, A. (629) 159)

Isobolographic analysis
Dynorphin; Opioid; Tail-flick reflex; Hindlimb paralysis (Qu, Z.-X. (610) 340)

Isoflurane
Anesthesia; Benzodiazepine receptor; $GABA_A$ receptor; Stereospecificity; *t*-Butylbicyclophosphorothionate (Moody, E.J. (615) 101)

Cerebral vascular resistance; Anesthetic; Inhalational; Hemorrhage; Vasodilator; Nitric oxide (Chi, O.Z. (630) 214)

Isoguvacine
$GABA_A$ receptor; Antinociception; Nucleus raphe magnus; Nucleus gigantocellularis pars alpha; Spinal cord; Bicuculline; Diazepam (McGowan, M.K. (620) 86)

Isolated brain in vitro
Entorhinal cortex; Long-term potentiation; NMDA receptor (De Curtis, M. (600) 327)

Isometric
Muscle; Strength (Butler, A.J. (632) 95)

Isoproterenol
Propranolol; Somatostatin; Frontoparietal cortex; Rat (López-Sañudo, S. (614) 171)

Isozyme
Protein kinase C; Postsynaptic density; Synaptosome (Suzuki, T. (619) 69)

Isthmo-optic nucleus
Fluorescent tracer; Rhodamine β-isothiocyanata; Transneuronal tracing; Retinal projection; Bird (Miceli, D. (601) 289)

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Japanese quail
Aromatase immunocytochemistry; Preoptic area; Polymerase chain reaction; Sexual behavior; Reproduction (Harada, N. (622) 243)

Artificial selection; Decerebration; Imprinting; Innate preference; Neural representation (Kovach, J.K. (629) 181)

Jaw movement
Nucleus ventralis posteromedialis parvocellularis; Tongue; Somatosensory lingual input; Cortical projection; Coronal gyrus (Nishikawa, Y. (605) 265)

Jaw movement
Hippocampus; Conditioning; Rabbit; CA1 (Swain, C.G.O.R.A. (608) 150)

Cerebellum; Interpositus nucleus; Cortical masticatory area; Mastication; Rhythm; Resetting (Katayama, T. (617) 143)

Junco
Opioid; Autoradiography; EKC; DAMGO; DPDPE; Avian; pCl-DPDPE; Hypothalamus; Feeding (Deviche, P. (614) 220)

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K_d
Morphine; Tolerance; Analgesia; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin; B_{max}; Brain; Spinal cord (Thorat, S.N. (615) 191)

K^+
Alzheimer's disease; Cerebral cortex; Ca^{2+}; Ion channel (Ikeda, M. (630) 50)

Kainate
Behavior; Running activity; GABA; Excitatory amino acid; Ventromedial nucleus of the hypothalamus (Narita, K. (603) 243)

Quisqualate; Excitatory amino acid; Pentobarbital; Barbiturate; Anesthetic (Marszalec, W. (608) 7)

Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Cyproheptadine; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

AMPA; Glucose deprivation; Hippocampal slice; Hypoxia; Neuronal damage (Schurr, A. (614) 10)

t-ACPD; AMPA; AP-7; Blood pressure; DNQX; Heart rate; NMDA; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

Baroreceptor reflex; Lateral tegmental field; Sympathetic activity; Cat (Clement, M.E. (618) 328)

6-Cyano-7-nitroquinoxaline-2,3-dione; α-Amino-3-hydroxy-5-methylisoxazole-4-propionate; Glutamate receptor; GluR; Autoradiography; *Xenopus* brain (Barnes, J.M. (626) 259)

AMPA; AP-7; Blood pressure; DNQX; Epinephrine; Glutamate; Heart rate; Mesenteric artery; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

Rat; Cortical neuron; Nystatin-perforated patch recording; Outward current (Omura, T. (627) 345)

Dopamine release; $GABA_B$; NMDA; AMPA; Baclofen (Santiago, M. (628) 187)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; AMPA; NMDA (Stanley, B.G. (630) 41)

Seizure; Kainic acid; Temperature; Brain damage (Liu, Z. (631) 51)

Kainate / AMPA receptor
Hippocampal slice; Hypoxia; NMDA receptor; Potentiation of neuronal damage; Quinolinate (Schurr, A. (617) 76)

Kainate binding
Ethanol; *N*-Methyl-D-aspartate receptor; MK-801 binding; Glutamate binding; Glycine binding; CGS 19755 binding (Snell, L.D. (602) 91)

Kainate receptor
Adrenoceptor; Alzheimer's disease; Cortical pyramidal neuron; $GABA_A$ receptor; Muscarinic receptor; Phosphoinositide-linked receptor (Chessell, I.P. (632) 86)

Kainate treatment
Cell adhesion molecule; Astrocyte; Gliosis; Mossy fiber sprouting (Niquet, J. (626) 106)

Kainic acid
Melatonin; Tryptophan hydroxylase; Retina; Serotonin; Amacrine cell; Bipolar cell (Thomas, K.B. (601) 303)

Zinc; Neurotoxicity; Hippocampus; Seizure; Rat; Morphometry (Nave, J.M. (604) 298)

Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Lesion; Aphagia; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Medial superior olive; Lateral superior olive; Aacoustic chiasm; Binaural interaction; Sound localization (Kelly, J.B. (605) 237)

Respiration; Vomiting; Coughing; Cervical spinal cord; Inspiratory neuron; Propriospinal neuron; Intercostal discharge pattern (Miller, A.D. (606) 143)

Epilepsy; Hippocampus; Plasticity; Sprouting (Sundstrom, L.E. (609) 321)

Sympathetic; 8-OH-DPAT; Cat; Lateral tegmental field (Clement, M.E. (612) 78)

Serotonin receptor; 5,7-Dihydroxytryptamine; 6-Hydroxydopamine; DSP-4; Ibotenic acid; Capsaicin; Rhizotomy (Kidd, E.J. (612) 289)

Cerebral blood flow; Inosine; Hypoxanthine; Rat (Sciotti, V.M. (613) 16)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

Free fatty acid; Diacylglycerol; Brain region; Seizure-related brain damage; Epilepsy (Birkle, D.L. (613) 115)

Transplantation; Substantia nigra; Neurite; Brain injury; Fluorescence histochemistry; Excitotoxic lesion (Takashima, H. (621) 71)

Substance P; Neurotoxicity; Excitatory amino acid; Wet dog shake; Epilepsy (Velázquez, R.A. (624) 109)

Excitotoxicity; Lipid peroxidation; Oxidative stress; Oxgyen radical; Antioxidant; Cerebellar granule cell (Puttfarcken, P.S. (624) 223)

Fibroblast growth factor; Epilepsy; Seizure; Cell death; Excitotoxicity; Chronic infusion (Liu, Z. (626) 335)

Picolinic acid; Striatum; Glutamate release (Vrooman, L. (627) 193)

Excitotoxin; Immunohistochemistry; Fink–Heimer (silver) degeneration; c-fos; GFAP; Seafood; Emesis (Scallet, A.C. (627) 307)

AMPA; Quisqualic acid; NMDA; Excitotoxin; Non-NMDA glutamate antagonist; NBQX; Hippocampus (Lees, G.J. (628) 1)

Seizure; Kainate; Temperature; Brain damage (Liu, Z. (631) 51)

K-252b
Phosphoinosite metabolism; Neuronal cell culture; Brain-derived neurotrophic factor; Neurotrophin-3; Basic fibroblast growth factor; Survival (Widmer, H.R. (614) 325)

KB-2796
Atrophy; DNQX; Ischemia; Middle cerebral artery occlusion; Rat (Hara, H. (618) 251)

Voltage-dependent Ca^{2+} current; Central nervous system neuron; Diphenylpiperazine derivative Ca^{2+} antagonist; Oxidative metabolism; Flunarizine (Akaike, N. (619) 263)

K_{ATP} channel
Diazoxide; Cromakalim; Glibenclamide; Neuromuscular junction (Salgado, D. (609) 307)

Dorsal raphe nucleus; In vitro recording; Glibenclamide; Gliquidone; Lemakalim; Serotonin neuron; GABA (Haj-Dahmane, S. (614) 270)

K^+ channel
Choroid plexus; Cerebrospinal fluid; Serotonin; Serotonin $5\text{-}HT_{1c}$ receptor; Brush border membrane; Cl^- channel (Hung, B.C.P. (617) 285)

K^+ current
Amygdala; Carbachol; Afterhyperpolarization; Accommodation (Womble, M.D. (621) 87)

K^+-dependent *p*-nitrophenylphosphatase
Blood–brain barrier; Acute hypertension; Na^+,K^+-ATPase; Poly-unsaturated fatty acid; γ-Glutamyltranspeptidase (Caspers, M.L. (602) 215)

Ketamine
Dextrorphan; NMDA receptor; Hyperalgesia; Spontaneous pain; Neuropathic pain; Nerve injury (Mao, J. (605) 164)

Ketanserin binding
Serotonin uptake site; Serotonin $5\text{-}HT_2$ receptor; Paroxetine binding; Human brain; Suicide victims/depressives; Prefrontal cortex; Amygdala; Hypothalamus (Hrdina, P.D. (614) 37)

Kidney
U-50,488H; Tolerance-dependence; Dynorphin (1–13); Brain region; Pituitary; Spinal cord; Heart; Adrenal (Bhargava, H.N. (600) 151)

Sympathetic preganglionic neuron; Postganglionic neuron; Retrograde tracing; Intermediolateral cell column; Renal nerve (Schramm, L.P. (616) 251)

Autonomic nervous system; Sympathetic; Parasympathetic; Renin-angiotensin; Rat (Holmes, P.V. (621) 1)

Sensory neuron; Neurotrophin; Neurotrophin-3; Immunohistochemistry; Liver; Rat (Zhou, X.-F. (621) 189)

Kinase inhibitor
Protein kinase C; Serotonin; Long-term enhancement; *Hermissenda* (Crow, T. (613) 61)

Kindled circuit
Amygdala; Piriform cortex; Dorsal hippocampus; Frontal cortex (McIntyre, D.C. (615) 1)

Kindled seizure
Substantia innominata; Amygdala; Procaine; Ipsilateral hemiconvulsive seizure; Elevation of seizure threshold (Mori, N. (610) 344)

Kindling
Hippocampus; Neuroplasticity; Seizure threshold; Long-term potentiation; Scopolamine (Minabe, Y. (600) 322)

Anticonvulsant; Antibody; Hippocampus; Osmotic minipump; Rat; Seizure; Somatostatin (Monno, A. (602) 148)

Transplantation; Hippocampus; Epilepsy (Miyamoto, O. (603) 143)

Epilepsy; Synapse; Brain slice; Spine synapse; Hippocampal subfield CA1 (Chang, F.-L.F. (603) 302)

Epilepsy; Ultrastructure; Astrocyte; Synaptic morphology; Hippocampal subfield CA1; Spine synapse (Hawrylak, N. (603) 309)

Pentylenetetrazol; Spreading depression; Epilepsy; Slow potential; Rat (Koroleva, V.I. (608) 107)

Brainstem; Interpeduncular nucleus; Amygdala; Bisection (Hirayasu, Y. (610) 354)

Epilepsy; Circadian; Adrenalectomy (Weiss, G. (612) 354)

Phosphoinositide; Cocaine; Lidocaine; Anesthetic; Sodium; Batrachotoxin; Ibotenate (Margolis, R.L. (614) 185)

Behavioral sensitization; Dopamine; Stereotypy; Ventral tegmental area; Animal model; Schizophrenia (Glenthøj, B. (619) 39)

Cytochrome oxidase histochemistry; Rat (Nobrega, J.N. (622) 113)

Epilepsy; Amygdala; Piriform cortex; Perirhinal cortex; Rat; Neural plasticity; Unit (Teskey, G.C. (624) 11)

Epilepsy; Piriform cortex; Perirhinal cortex; Amygdala; In vitro preparation; Electrophysiology (McIntyre, D.C. (624) 268)

Epilepsy; Experimental seizure; Animal model (Bertram, E.H. (625) 295)

Long-term depression; Tetanization; Hippocampus; Inhibition; Epileptogenesis; Electrophysiology; GABA (Merlin, L.R. (627) 330)

Glucocorticoid; Dexamethasone; Cocaine; Sensitization (Kling, M.A. (629) 163)

Epilepsy; CCK; Ceruletide (Yamamoto, Y. (630) 353)

Noradrenaline; Clonidine; Idazoxan; Yohimbine; Xylazine; Amygdala (Pelletier, M.R. (632) 29)

Hyperbaric oxygen; Seizure; Temperature; Hypothermia (Fenton, L.H. (632) 143)

Kindling antagonism
Limbic system; Amygdala; Septal area (Kirkby, R.D. (616) 17)

Kindling stage
Wet-dog shake; Methionine-enkephalin kindling; Electrical kindling; Amygdala (Tanaka, T. (604) 149)

Kitten
Inferior colliculus; Development; Amplitude modulation; Auditory system (Brugge, J.F. (615) 199)

Krox-24
NGFI-A; Immediate-early gene; Fos; Cytochrome oxidase; Immunohistochemistry; Vervet (Chaudhuri, A. (605) 349)

Kynurenic acid
Medulla; Cat; Sympathoinhibition; AMPA; Cardiovascular tone; Baroreflex (Dempesy, C.W. (603) 328)

Kynurenine pathway
Macrophage; Indoleamine-2,3 dioxygenase; Spinal cord trauma; Guinea pig (Blight, A.R. (632) 314)

L

L-365,260
Cholecystokinin receptor antagonist; Receptor autoradiography; Visceral afferent; Feeding; Nucleus tractus solitarii; MK-329; Area postrema (Corp, E.S. (623) 161)

Label-fracture
$GABA_A$ receptor; Receptor topology; Fracture-flip; Cortical neuron; Cerebellar granule cell (Caruncho, H.J. (603) 234)

Lacrimation
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Aphagia; Salivation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Lactacidosis
Cell swelling; C6 glioma; Glutamate; Torasemide (Staub, F. (610) 69)

Lactate
Glucose; Hypoxia; Hippocampus; Ion transport; Oxidative phosphorylation; Energy metabolism (Roberts Jr., E.L. (620) 251)

Astroglia; Glycogen; Hexokinase (Dringen, R. (623) 208)

Interleukin-1; Glucose production; Gluconeogenesis; Glucose utilization; Prostaglandin; Indomethacin; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

Ventromedial nucleus; Carbachol; Neostigmine; Adrenal medulla; Gluconeogenesis; Glucose (Brito, N.A. (626) 339)

Hippocampus; In vitro; Epilepsy; Depolarization; Energy; Neuroprotection (Stittsworth Jr., J.D. (630) 21)

Lactate transport
Blood–brain barrier; Monocarboxylate anion carrier; Transport kinetics; Rat brain (LaManna, J.C. (614) 164)

Lactation
Pregnancy; Oxytocin receptor; Electrophysiology; In vitro slice; Limbic system; Maternal behavior; Milk ejection (Ingram, C.D. (602) 325)

N-Methyl-D,L-aspartic acid; Cortical activation; c-*fos* expression; *N*-Methyl-D-aspartate receptor inactivation; Progesterone (Abbud, R. (604) 16)

Hyponatremia; Neurohypophysis; Osmolar stimulus; Oxytocin (Bononi, P.L. (617) 50)

Hypercorticosteronemia; Development; Hypothalamus-pituitary-adrenal axis; Spatial memory (Catalani, A. (624) 208)

Lactic acid
Astrocyte; Calcium; Acidosis; Extracellular ATP; Purinergic receptor (Neary, J.T. (604) 211)

Lamina 10
Receptor autoradiography; Serotonin; Substance P; Dorsal horn; Dorsolateral funiculus (Bernau, N.A. (613) 106)

Laminar analysis
Auditory cortex; Evoked potential; Rat; Current source density (Di, S. (630) 303)

Lamina X
Spinal cord; Dorsal horn; Nitric oxide; Nociception; c-*fos* (Lee, J.-H. (608) 324)

Laminin
Cerebral ischemia; Ischemic tolerance; Dentate hilus; Hippocampus; Immunohistochemistry; Mongolian gerbil (Sugimoto, A. (629) 159)

Lamotrigine
Anticonvulsant; $GABA_A$; Sodium channel; Calcium channel; L-Glutamate; Benzodiazepine; Patch clamp (Lees, G. (612) 190)

Lamprey
Spinal cord injury; Regeneration; Command system; Locomotion; In vitro; Brainstem (Davis Jr., G.R. (602) 131)

Excitatory amino acid; Glutamate metabotropic receptor; Sensory transmission; Reticulospinal neuron; Vestibular input (Alford, S. (605) 175)

Low voltage activated calcium channel; High voltage activated calcium channel; Sodium channel; Potassium channel; Calcium dependent potassium channel; Primary sensory neuron; Spinal cord (Christenson, J. (608) 58)

LANT6
GABA; Parvalbumin; Co-occurrence; Pallidum; Substantia nigra; Pigeon; Monkey (Reiner, A. (624) 317)

Lanthanum
Channel modulation; Cation; Copper; Zinc; GABA (Ma, J.Y. (607) 222)

Large dense-cored vesicle
NPY; Neurosecretion; Axonal reticulum; Axonal transport; Sympathetic neuron; Immunocytochemistry (Quatacker, J. (627) 249)

Larynx
Periaqueductal gray; Respiration; Vocalization; Midbrain; Hering–Breuer reflex; Upper airway reflex; Excitatory amino acid; Defence (Davis, P.J. (607) 61)

Laser Dopler flowmetry
Ventromedial hypothalamus electrical stimulation; Intrascapular brown adipose tissue temperature and blood flow; Pressor and tachycardic response; Antagonism by IBAT nerve denervation (Thornhill, J. (615) 289)

Cortical cerebral blood flow; Local cortical neuron; Basal forebrain; Cholinergic; Ibotenic acid (Linville, D.G. (622) 26)

Nerve injury; Dental pulp; Blood flow; Neuropeptide; GAP-43; Neurotrophin receptor; Cat; Immunohistochemistry (Olgart, L. (625) 109)

Cerebral blood flow; Autoregulation; Calcium antagonist; Rabbit (Florence, G. (625) 301)

Laser microprobe mass spectrometry
Alzheimer's disease; Excitatory amino acid; Fura-2; Hippocampus; Human neuron; Neuron death; Tau; Ubiquitin (Mattson, M.P. (602) 21)

Late potassium outward current
Immune mediator; Cultured cortical neuron; I_K; Membrane potential; Astrocyte (Köller, H. (628) 313)

Lateral cervical nucleus
Glutamate; Marginal zone; Nociception; Pain (Yezierski, R.P. (624) 304)

Lateral geniculate nucleus
Visual system; Retinal ganglion cell; Retina; Superior colliculus; Bilateral projection; Axon collateralization; Rat (Kondo, Y. (608) 204)

Lateral habenula
Endogenous pyrogen; Ventral septal area; Antipyresis; Cytokine (Wilkinson, M.F. (625) 342)

Lateral hypothalamic area
Brown adipose tissue; Ventromedial hypothalamic nucleus; Dorsomedial hypothalamic nucleus; Paraventricular nucleus; Preoptic area (Yoshimatsu, H. (601) 121)

Lateral hypothalamus
Nucleus parabrachialis; Monosynaptic excitatory postsynaptic potential; Convergent input; Intracellular recording (Granata, A.R. (600) 315)

Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Aphagia; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Self-stimulation; Opioid; Reward; Feeding (Carr, K.D. (607) 141)

Eating; Feeding; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

DOCA; Hypertension; Norepinephrine; GABA; Salt diet (Sessler, F.M. (613) 259)

Intracranial self-stimulation; Ibotenic acid; Lesion; Tuberomammillary nucleus (Wagner, U. (613) 269)

Prolactin; Preoptic area; Ventromedial hypothalamus; Tuberal hypothalamus; Feeding behavior; Bird; *Streptopelia risoria* (Hnasko, R.M. (623) 257)

Ventral pallidum/substantia innominata; Globus pallidus; Quinolinic acid; Ibotenic acid; Excitotoxin lesion; Aphagia; Feeding behavior; Taste aversion (Cromwell, H.C. (624) 1)

Eating; Feeding; Hypothalamus; Excitatory amino acid; Glutamate; KA; AMPA; NMDA (Stanley, B.G. (630) 41)

Laterality
Stress; Dopamine; Learned helplessness; Depression; Medial prefrontal cortex; Nucleus accumbens; Striatum (Carlson, J.N. (630) 178)

Lateralized behavior
Callosotomy; Dodging; Thigmotaxis; Rotational behavior; Striatum; Amphetamine; Apomorphine; Interhemispheric (Sullivan, R.M. (609) 347)

Lateral lemniscus
Medulla; Pons; Conduction time; Electrical stimulation (Yeomans, J.S. (617) 320)

Lateral olfactory tract
Olfaction; Olfactory threshold; Olfactory sensitivity; Anosmia (Slotnick, B.M. (616) 132)

Lateral olfactory tract regeneration
Olfactory nerve recovery; Behavior; Amino acid; Goldfish (Von Rekowski, C. (618) 338)

Lateral olivocochlear system
Dopamine; Noise stimulus; Cochlea; High-performance liquid chromatography; Electrochemical detection; Rat (Gil-Loyzaga, P. (623) 177)

Lateral parabrachial nucleus
Respiration; Glutamate receptor subtype agonist (Takayama, K. (604) 217)

Lateral perforant path
Norepinephrine; Potentiation; Locus coeruleus; Medial perforant path (Babstock, D.M. (629) 149)

Lateral septum
Ethanol; *N*-Methyl-D-aspartate; Inferior colliculus; Glutamate (Simson, P.E. (607) 9)

Calbindin D28k; Met-enkephalin; Somatospiny neuron (Doutrelant, O. (615) 335)

Long-term potentiation; Paired-pulse facilitation and inhibition; Fimbria; Aging; Mouse (Garcia, R. (620) 229)

Bed nucleus of stria terminalis; Medial amygdala; Parental behavior (Wang, Z. (631) 156)

Lateral superior olive
Medial superior olive; Aacoustic chiasm; Kainic acid; Binaural interaction; Sound localization (Kelly, J.B. (605) 237)

Lateral tegmental field
Sympathetic; 8-OH-DPAT; Kainic acid; Cat (Clement, M.E. (612) 78)

Baroreceptor reflex; Kainate; Sympathetic activity; Cat (Clement, M.E. (618) 328)

Laterodorsal tegmental nucleus
Pedunculopontine nucleus; Choline acetyltransferase; MPTP; Monkey (Herrero, M.T. (624) 281)

Funnel web spider; *Hadronyche versutus*; Versutoxin; Neurotoxin; Synaptic potential; Locus coeruleus; Trigeminal nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

Pedunculopontine nucleus; Receptor antibody; Serotonin-2 receptor (Morilak, D.A. (627) 49)

Lavendustin A
Herbimycin A; Tyrosine kinase; Long-term potentiation; Dentate gyrus; Anesthetized rat (Abe, K. (621) 167)

Lead
Learning; Repeated acquisition; Performance; MK-801; Dizocilpine; NMDA receptor (Cohn, J. (600) 208)

Astrocyte; Calcium; Inositol polyphosphate; Norepinephrine; Phospholipase C (Dave, V. (618) 9)

Learned helplessness
Antiglucocorticoid; RU 38486; Dentate gyrus (Papolos, D.F. (615) 304)

Stress; Dopamine; Depression; Laterality; Medial prefrontal cortex; Nucleus accumbens; Striatum (Carlson, J.N. (630) 178)

Benzodiazepine; GABA; Receptor; Chloride channel; Coping behavior; Shuttlebox escape learning; Anxiety; Depression (Drugan, R.C. (631) 270)

Learning
Lead; Repeated acquisition; Performance; MK-801; Dizocilpine; NMDA receptor (Cohn, J. (600) 208)

Protein kinase C; Protein kinase Cγ; c-*fos*; Fos protein; Chick; Intermediate and medial hyperstriatum ventrale; Imprinting (Ambalavanar, R. (606) 315)

Methylazoxymethanol; Hippocampus; Granule cell; Protein kinase C; B-50/GAP-43 (Di Luca, M. (607) 329)

Classical conditioning; Cerebellar cortex; Retention; Nictitating membrane; Rabbit; Cerebellum; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

MDL 26,479; Basal forebrain; Benzodiazepine receptor; Hemicholinium; Vesamicol (Holley, L.A. (610) 181)

Set-related cells; Conditional motor task; Premotor cortex; Motor cortex (Germain, L. (611) 175)

Antinociception; Analgesia; Fear; Anxiety; Stress; Forebrain; Pavlovian conditioning (Helmstetter, F.J. (612) 253)

Aplysia; Respiratory pumping; Defense; pH; Salinity; Serotonin (Levy, M. (616) 218)

Inferior colliculus; Superior colliculus; Avian auditory system; Hearing impairment; Sound localization; Plasticity (Mogdans, J. (619) 29)

Gastropod; Neural outgrowth; Feeding; Behavior (Baker, M.W. (623) 311)

Learning and memory
Nitric oxide; Amnesia; Chick; Passive avoidance (Hölscher, C. (619) 189)

Cytokine; Electrophysiology; Excitatory postsynaptic potential; HIV-1 associated dementia; Interleukin-1β; Synaptic transmission (Bellinger, F.P. (628) 227)

Learning disorder
Hippocampus; Seizure; Excitatory amino acid; Cell death; Glutamate receptor; CGP 39551 (Lahtinen, H. (625) 93)

Lectin
Helix; Acetylcholine receptor; Concentration clamp; Desensitization; α-Bungarotoxin (Arvanov, V.L. (615) 252)

Lectin binding
Rat; Parvalbumin; Perineuronal net; Basal forebrain (Brauer, K. (631) 167)

Leech
Oxytocin-like; FMRFamide-like; Sex segmental ganglia; Immunocytochemistry; Immunoassay; Reverse phase HPLC; Anti-diuretic effect (Salzet, M. (601) 173)

Angiotensin II-like peptide; Angiotensin II-like protein; Neuropeptide (Salzet, M. (631) 247)

Lemakalim
Dorsal raphe nucleus; In vitro recording; Glibenclamide; Gliquidone; K(ATP) channel; Serotonin neuron; GABA (Haj-Dahmane, S. (614) 270)

Lesion
Rhesus monkey (*Macaca mulatta*); Direct delayed response task; Prefrontal cortex; Parietal cortex; Short-term visual spatial memory (Pu, X. (600) 187)

Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Aphagia; Salivation; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Intracranial self-stimulation; Lateral hypothalamus; Ibotenic acid; Tuberomammillary nucleus (Wagner, U. (613) 269)

Serotonin; Opiate receptor; Hypothalamus; Midbrain central gray; Sexual behavior (Allen, D.L. (625) 269)

Paraventricular nucleus; Feeding; 5-Hydroxytryptamine; D-Fenfluramine; Fluoxetine; TFMPP; 8-OH-DPAT (Fletcher, P.J. (630) 1)

Lesion volume
Fluid percussion; Brain trauma; Neuronal alteration; Glial activation (Toulmond, S. (620) 24)

Lethargic mouse
$GABA_B$ receptor; Absence seizure; Baclofen; GABA; G-protein (Lin, F.-h. (608) 101)

Leu-enkephalin
Aging; Brain; Enkephalin; Human; Met-enkephalin; Opioid (Rinne, J.O. (624) 131)

Leukotriene
δ-Opioid peptide; Gonadotropin-releasing hormone; Prostaglandin E_2; Male rat (Gerozissis, K. (626) 219)

Leupeptin
Calpain-inhibitor I; Ischemia; Hippocampus; Hypoxia (Rami, A. (609) 67)

[Leu^{31},Pro^{34}]NPY
Neuropeptide Y (NPY); NPY receptor; NPY 20–36; Discriminative stimulus; Drug discrimination; Food intake (Jewett, D.C. (631) 129)

Levator palpebrae muscle
Eye movement; Oculomotor system; Corneal reflex; Eyeball retraction; Blink reflex; Superior rectus muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

Levator palpebrae superioris
Eyelid movement; Blink; Orbicularis oculi; Oculomotor (Porter, J.D. (609) 159)

Lever-release
Conditioned avoidance response; Haloperidol; Striatum; Unit activity (White, I.M. (616) 71)

Levorphanol
Selective breeding; Stress-induced analgesia; Genetics; Opioid; Opiate (Marek, P. (608) 353)

Lewy body
Neurofilament; Parkinson's disease; Diffuse Lewy body disease (Pollanen, M.S. (603) 121)

Lewy body variant of Alzheimer's disease
GAP-43; Aberrant sprouting; Amyloid precursor protein; Alzheimer's disease (Masliah, E. (617) 258)

LiCl
Interleukin-1; Interleukin-1 receptor antagonist; Endotoxin; Hyperalgesia (Maier, S.F. (623) 321)

Nucleus parabrachialis; Protein kinase C; Conditioned taste aversion; $CuSO_4$ (Krivanek, J. (629) 327)

Lidocaine
Analgesia; Glycine; Strychnine; Wide dynamic range neuron; Iontophoresis (Biella, G. (603) 201)

Phosphoinositide; Kindling; Cocaine; Anesthetic; Sodium; Batrachotoxin; Ibotenate (Margolis, R.L. (614) 185)

Glutamate; Substance P; Aspartate; Calcitonin gene-related peptide; Inflammation; Dorsal horn; Microdialysis (Sluka, K.A. (627) 89)

Cyclic AMP; cAMP-dependent protein phosphorylation; Na^+ current; Protein kinase; *Euhadra* neuron (Onozuka, M. (628) 335)

Ligand-binding autoradiography
Serotonin 5-HT_1 receptor; Serotonin 5-HT_2 receptor; Serotonin denervation; Serotonin hyperinnervation; Neostriatum; Up-regulation (Radja, F. (606) 273)

Light
Melatonin; Circadian rhythm; Photoperiod; 6-Sulphatoxymelatonin; Metabolite (Kennaway, D.J. (603) 338)

Circadian; Histamine; Phase shift; Suprachiasmatic; Tuberomammillary (Cote, N.K. (613) 149)

Suprachiasmatic nuclei; Serotonin; Glutamate; Quipazine; Fos; Hamster (Selim, M. (621) 181)

Circadian rhythm; Photoperiod; Entrainment; Melatonin; Human (Illnerová, H. (626) 322)

Light–dark cycle
Suprachiasmatic nucleus; Neurophysiology; Melatonin; Constant light; Pineal gland; Circadian rhythm (Yu, G.-D. (602) 191)

Circadian rhythm; Suprachiasmatic nucleus; Somatostatin; Enzyme immunoassay; Peptide regulation; Free-running rhythm; Rat (Fukuhara, C. (606) 28)

Light induction
Circadian rhythm; Immediate early gene; Ganglion cell layer; Suprachiasmatic nucleus; Endogenous expression; Phase shift (Chambille, I. (612) 138)

Light microscopy
Suprageniculate nucleus; Fastigial nucleus; Direct projection; WGA-HRP; Electron microscopy; Cat (Katoh, Y.Y. (617) 155)

Light stimulus
Circadian rhythm; Fos-like immunoreactivity; Intergeniculate leaflet; MK-801; *N*-Methyl-D-aspartate receptor; Suprachiasmatic nucleus (Park, H.T. (610) 334)

Limbic D_2 receptor
Dopamine D_2 receptor; Thalamic D_2 receptor; Cortical D_2 receptor; [^{125}I]Epidepride; Extrastriatal D_2 receptor; Human brain post mortem study (Kessler, R.M. (609) 237)

Limbic system
Lactation; Pregnancy; Oxytocin receptor; Electrophysiology; In vitro slice; Maternal behavior; Milk ejection (Ingram, C.D. (602) 325)

Fibroblast growth factor; Hippocampus; Olfactory bulb; Growth factor (Gómez-Pinilla, F. (606) 79)

Autonomic pathway; Rostral ventrolateral medulla; Brainstem; Arterial pressure; Cardiovascular regulation (Giancola, S.B. (606) 162)

Androgen receptor; c-*fos*; Sexual behavior; Amygdala; Immunocytochemistry (Wood, R.I. (614) 65)

Kindling antagonism; Amygdala; Septal area (Kirkby, R.D. (616) 17)

Marsupial; Steroid receptor; Medial preoptic area; *Monodelphis*; Reproduction; Septum (Pearson, P.L. (617) 171)

Lindane
Convulsion; δ-HCH antagonism; Calcium channel blocker; Calmodulin antagonist (Tusell, J.M. (622) 99)

Linear AVP antagonist
Vasopressin V_{1a} receptor; Arginine vasopressin; Hypothalamus; Substantia nigra; Ventral tegmental area; Cortex layer IV (Johnson, A.E. (622) 9)

Lingual epithelium
Taste bud; Na transport; Taste transduction; Amiloride (Simon, S.A. (615) 218)

Lipid bilayer instability
Alzheimer's disease; Membrane; Neurodegeneration; Critical temperature (Ginsberg, L. (615) 355)

Lipid meal
Feeding suppression; Satiation; Apolipoprotein A-IV; Mesenteric lymph; Chylomicron; Meal size; Intestine (Fujimoto, K. (608) 233)

Lipid peroxidation
Hypoxia; Brain; Synaptosome; Myelin; Na^+,K^+-ATPase (Razdan, B. (600) 308)

Synaptosome; γ-Aminobutyric acid transport; Calcium transport (Palmeira, C.M. (609) 117)

α-Tocopherol; Cerebral ischemia; Reperfusion; Brain; Stroke (Yue, T.-L. (610) 53)

Kainic acid; Excitotoxicity; Oxidative stress; Oxgyen radical; Antioxidant; Cerebellar granule cell (Puttfarcken, P.S. (624) 223)

Lipophilic tracer DiI
Regeneration; DiI; Tract tracing; Sensory system; Teleost; Topography; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

Liposome
Blood–brain barrier; Intra-carotid injection; Osmotic treatment; Sulfatide (Sakamoto, A. (629) 171)

Lisuride
Sexual behavior; Medial preoptic area; Fetal brain transplant; Retrograde tracer; Fluorogold (Paredes, R.G. (620) 351)

Lithium
Inositol phosphate; Diacylglycerol; Free fatty acid; Creatine phosphate; Adenosine 5′-triphosphate; Cerebral ischemia (Lin, T.-A. (606) 200)

G-protein; Hippocampus; CA1; Postsynaptic; Metabotropic glutamate receptor (Ballyk, B.A. (611) 81)

Inositol monophosphatase; Cerebrospinal fluid; Manic depression; Magnesium; Bisphosphonate (Atack, J.R. (613) 305)

Liver
Kidney; Sensory neuron; Neurotrophin; Neurotrophin-3; Immunohistochemistry; Rat (Zhou, X.-F. (621) 189)

Lobster
Cardiac ganglion; Driver potential; Burst-organizing potential; Tetraethylammonium ion; Barium; Crustacean (Berlind, A. (609) 51)

Calcium channel; Burst; Plateau potential; Synapse; Electrical coupling; Crustacea (Zirpel, L. (617) 205)

Dopamine; Mixed synapse; Electrotonic transmission; Stomatogastric ganglion; Modulation (Johnson, B.R. (625) 159)

Local anesthetic
Cocaine; CaM kinase; Hippocampus; Long-term potentiation; Memory; Synapsin I (Smith, D.A. (608) 259)

Local cerebral glucose utilization
Spontaneously epileptic rat; Autoradiography; [^{14}C]2-Deoxyglucose; Hippocampus; Amygdala; Interictal state; Hypometabolism (Saji, H. (601) 76)

Local cortical neuron
Cortical cerebral blood flow; Basal forebrain; Cholinergic; Ibotenic acid; Laser-Doppler flowmetry (Linville, D.G. (622) 26)

Local perfusion
Nucleus accumbens; Cholecystokinin; Dopamine release; Microdialysis; Freely moving rat (Ladurelle, N. (628) 254)

Locomotion
NBQX; AMPA; Excitatory amino acid; Quinoxaline (Boldry, R.C. (600) 331)

Spinal cord injury; Regeneration; Command system; Lamprey; In vitro; Brainstem (Davis Jr., G.R. (602) 131)

Spinal reflex; Ia fiber; Contralateral inhibition; Human; Pedalling (Collins, D.F. (603) 96)

Repeated amphetamine; Sensitization; Microdialysis; Dopamine; Ventral tegmental area; Nucleus accumbens (Vezina, P. (605) 332)

Anorexia; Cocaine; Rearing; Grooming; Microstructural analysis (Cooper, S.J. (608) 45)

Phencyclidine; Nucleus accumbens; Social behavior; Stereotypy; Ataxia; Dopamine (Steinpreis, R.E. (612) 263)

Dopamine; Drug of abuse; NMDA receptor (Wolf, M.E. (613) 291)

Sensitization; Tolerance; Ventral tegmental area; Morphine; Opiate; Brain stimulation reward; Circling (Bauco, P. (617) 303)

Escape behavior; Insect; Interneuron, giant (Keegan, A.P. (620) 310)

Locomotor activity
Addiction; Individual difference; Stress; Novelty; Dopamine; Nucleus accumbens; Microdialysis (Rougé-Pont, F. (602) 169)

Food restriction; Addiction; Sensitization; Corticosterone; Amphetamine; Morphine (Deroche, V. (611) 352)

Cocaine; U-69593; κ Opioid; Stereotypy (Heidbreder, C.A. (616) 335)

Dopamine; Morphine; μ Opioid receptor; Pertussis toxin (Funada, M. (619) 163)

Amphetamine; Corticosterone; Sensitization; Stress (Pauly, J.R. (620) 195)

Reinforcement; Nucleus accumbens; Neuropeptide; Dopamine (Robledo, P. (622) 105)

Addiction; Individual difference; Morphine; Corticosterone (Deroche, V. (623) 341)

Dopamine; Prefrontal cortex; Dialysis; MK-801 (Wędzony, K. (625) 333)

Cerebral ischemia; Hippocampus; Mongolian gerbil (Babcock, A.M. (625) 351)

Locus ceruleus
L-Glutamate; Blood pressure; Regional blood flow; Vascular resistance; Rat (Miyawaki, T. (600) 56)

Epilepsy; α-Adrenergic receptor (Razani-Boroujerdi, S. (600) 181)

Insulin; Norepinephrine transporter; Catecholamine (Figlewicz, D.P. (602) 161)

Retrograde transport; Rostral ventral medulla; Parapyramidal region; Cardiovascular regulation; Pain (Van Bockstaele, E.J. (603) 1)

Morphine dependence; Electrolytical lesion; Methylnaloxonium; Intracerebroventricular (Maldonado, R. (605) 128)

Footshock; Conditioning; Ventral lateral medulla; A5; A7; Periaqueductal gray; Nucleus tractus solitarii; Neuroimmunomodulation (Pezzone, M.A. (608) 310)

Tissue culture; Norepinephrine; Insulin; Survival; Differentiation; Tyrosine hydroxylase (Sklair-Tavron, L. (614) 257)

Tricyclic antidepressant; Desipramine; Norepinephrine transporter mRNA; Transporter (Szot, P. (618) 308)

Norepinephrine; Plasticity; α-Adrenoceptor; Prazosin; Vibrissae (Dunn-Meynell, A.A. (623) 25)

c-*fos*; Fos; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Morphine analgesia; Periaqueductal gray; Naloxonazine; Nucleus raphe magnus (Rossi, G.C. (624) 171)

Locus coeruleus
Entorhinal cortex; Dorsal raphe nucleus; Double-antigen immunohistochemistry; Hippocampus; Neurofibrillary tangle; Paired helical filament (Duong, T. (603) 74)

c-*fos* immunoreactivity; Yohimbine (Stone, E.A. (603) 181)

Retrograde tracer; Tyrosine hydroxylase; Immunocytochemistry; Nucleus tractus solitarii; Ventrolateral medulla (Petrov, T. (609) 81)

Morphine withdrawal; In vivo voltammetry; Excitatory amino acid antagonist; Naloxone; Opioid (Hong, M. (623) 131)

Idazoxan; Norepinephrine; Phentolamine; Sprague–Dawley substrain; Yohimbine (West, W.L. (626) 127)

Funnel web spider; *Hadronyche versutus*; Versutoxin; Neurotoxin; Synaptic potential; Laterodorsal tegmental nucleus; Trigeminal nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

Neurotoxin; DSP-4; Noradrenergic neuron; Electrophysiology; Ca^{2+} spike (Magnuson, D.S.K. (628) 317)

Lateral perforant path; Norepinephrine; Potentiation; Medial perforant path (Babstock, D.M. (629) 149)

Locust
Nitric oxide synthase; Soluble guanylyl cyclase; cGMP; Calmodulin; *Schistocerca gregaria* (Elphick, M.R. (619) 344)

Longitudinal column
Nitric oxide; Central gray; Brainstem; Antinociception (Onstott, D. (610) 317)

Long-lasting effect
Dyskinesia; Iminodipropionitrile; Ceruletide; Dopaminergic neuronal system; mRNA (Hirata, H. (604) 197)

Long-lasting potentiation
Secondary somatosensory cortex; Ventral posterolateral thalamic nucleus; Current source density analysis; Field potential (Kawakami, Y. (605) 147)

Long sleep mouse
Ethanol; Calcium channel; Hippocampal neuron; Short-sleep mice; Tolerance (Huang, G.-J. (615) 328)

Neurotensin; Short sleep (SS) mouse; Ethanol; Phosphoinositide hydrolysis (Erwin, V.G. (629) 59)

Long-term culture
Rat hypothalamus; GABA; Vasopressin; Opioid peptide; mRNA (Wahle, P. (611) 37)

Long-term depression
Long-term potentiation; Theta rhythm; Hippocampus; CA1; Norepinephrine; Adenosine (Larson, J. (600) 97)

Long-term potentiation; Spreading depression (Harrison, C.M. (602) 176)

Hippocampus; Long-term potentiation; Depotentiation; Inhibition; GABA (Zhang, D.X. (613) 309)

Hippocampus; Glutamate; Receptor; Glycine; Long-term potentiation (LTP); Plasticity (Shahi, K. (627) 261)

Tetanization; Hippocampus; Inhibition; Kindling; Epileptogenesis; Electrophysiology; GABA (Merlin, L.R. (627) 330)

Cerebellum; Purkinje cell; Nictitating membrane response; Rabbit; Slice (Schreurs, B.G. (631) 235)

Acetylcholine; Opioid peptide; *N*-Methyl-D-aspartate; Hippocampus; Aging; Long-term potentiation (Pang, K. (632) 150)

Long-term enhancement
Protein kinase C; Serotonin; *Hermissenda*; Kinase inhibitor (Crow, T. (613) 61)

Long-term hypoxia
Tyrosine hydroxylase; Catecholaminergic area; Norepinephrine turnover rate; Rat brainstem (Schmitt, P. (611) 53)

Long-term memory
Recent memory; Traumatic brain injury; Post-traumatic amnesia; Anterograde amnesia; Retrograde amnesia (Gorman, L.K. (614) 29)

Long-term potentiation
Long-term depression; Theta rhythm; Hippocampus; CA1; Norepinephrine; Adenosine (Larson, J. (600) 97)

Kindling; Hippocampus; Neuroplasticity; Seizure threshold; Scopolamine (Minabe, Y. (600) 322)

Isolated brain in vitro; Entorhinal cortex; NMDA receptor (De Curtis, M. (600) 327)

Piriform cortex; Memory; Olfactory training (Roman, F.S. (601) 265)

LTD; Spreading depression (Harrison, C.M. (602) 176)

Hippocampus; Excitatory postsynaptic potential; NMDA receptor (Lin, J.-H. (603) 117)

Hippocampal slice; CA1 neuron; α-Tocopherol; L-Ascorbic acid; Free radical; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Superior colliculus slice; Synaptic potential; Calmodulin; Protein kinase C; Induction; Maintenance (Miyamoto, T. (605) 287)

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Serotonin; Hippocampus; Neuromodulation; Synaptic transmission; Plasticity (Villani, F. (606) 304)

Adenosine; 2-Chloroadenosine; Glutamate; *N*-Methyl-D-aspartate; Receptor; Hippocampus (De Mendonça, A. (606) 351)

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Cerebral ischemia; CA1; Excitatory amino acid; Hippocampus (Miyazaki, S. (611) 155)

Short-term potentiation; Protein kinase C; Metabotropic receptor; *N*-Methyl-D-aspartate receptor; Hippocampus; Plasticity (Otani, S. (613) 1)

Long-term depression; Hippocampus; Depotentiation; Inhibition; GABA (Zhang, D.X. (613) 309)

Serotonin; Serotonin 5-HT_{1A} receptor; Hippocampus; Norepinephrine; In vitro (Sakai, N. (613) 326)

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Herbimycin A; Lavendustin A; Tyrosine kinase; Dentate gyrus; Anesthetized rat (Abe, K. (621) 167)

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Nitric oxide; Neuronal induction; Glial reaction; Rat (Regidor, J. (631) 171)

Acetylcholine; Opioid peptide; *N*-Methyl-D-aspartate; Hippocampus; Aging; Long-term depression (Pang, K. (632) 150)

Lordosis
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Oxytocin; Norepinephrine release; Estradiol; Progesterone; Ventromedial hypothalamus; Prazosin (Vincent, P.A. (620) 189)

c-Fos; Pelvic nerve; Amygdala; Cervical stimulation; Preoptic area; Mating; Hypothalamus (Rowe, D.W. (621) 25)

Estradiol; Anisomycin; Paraventricular nucleus; Protein synthesis; Food intake; Body weight (Butera, P.C. (624) 354)

Sexual behavior; Sexual differentiation; Medial preoptic area; Ibotenic acid (Olster, D.H. (626) 99)

Guinea pig; Noradrenergic; Preoptic area; Hypothalamus (Malik, K.F. (628) 26)

Low voltage activated calcium channel
High voltage activated calcium channel; Sodium channel; Potassium channel; Calcium dependent potassium channel; Primary sensory neuron; Spinal cord; Lamprey (Christenson, J. (608) 58)

LTP-associated protein
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NADPH diaphorase; Rhizotomy; Nitric oxide; Primary afferent; Sacral parasympathetic nucleus (Vizzard, M.A. (607) 349)

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Lurcher mutant
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Lurcher mutant mouse
Transplantation; Dorsal cochlear nucleus; Purkinje cell; Migration (Dumesnil-Bousez, N. (622) 343)

Luteinizing hormone
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Norepinephrine; A1 neuron; Medial preoptic area (Liaw, J.-J. (607) 233)

Cytokine; Interleukin-1; Opioid; Opioid receptor; Corticotrophin releasing hormone; Luteinizing hormone pulse (Bonavera, J.J. (612) 1)

Hypothalamus; Reproductive function; Immune system; Ovulatory cycle; Stress mechanism; Transcription factor; Immunocytochemistry; Push–pull (Rivest, S. (613) 132)

Growth hormone-releasing factor; Stimulus–secretion coupling; Hypothalamus; Median eminence (Dickson, S.L. (623) 95)

Luteinizing hormone pulse
Cytokine; Interleukin-1; Luteinizing hormone; Opioid; Opioid receptor; Corticotrophin releasing hormone (Bonavera, J.J. (612) 1)

Luteinizing hormone-releasing hormone
Gonadotropin-releasing hormone; Aging; Superfusion; Endogenous opioid; Naloxone; Luteinizing hormone; Estrous cyclicity (Rubin, B.S. (601) 246)

Immunocytochemistry; Amitriptyline; Antidepressant; Behavior; Organum vasculosum of lamina terminalis (Jain, M.R. (604) 7)

Fos; Immunocytochemistry; Lordosis; Medial nucleus of amygdala; Rat (Rajendren, G. (617) 81)

LY 53,857
Serotonin receptor; Serotonin antagonist; Pindolol; MDL 7222 (Parsons, L.H. (606) 195)

LY 171555
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LY278584
Serotonin 5-HT_3 receptor; Schizophrenia; Antipsychotic treatment; Amygdala (Abi-Dargham, A. (616) 53)

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α2-Macroglobulin
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FK-506; Excitotoxicity; *N*-Methyl-D-aspartate; Glutamate; Cerebellar granule neuron; Calcium; CPD (Manev, H. (624) 331)

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Inositol monophosphatase; Cerebrospinal fluid; Manic depression; Lithium; Bisphosphonate (Atack, J.R. (613) 305)

Adenosine; Binding enhancer; Hippocampal slice; Seizure; Anticonvulsant (Janusz, C.A. (619) 131)

Autoreceptor; Positive feedback; Excitatory amino acid; Transmitter release; Paired pulse facilitation (Nakamura, F. (622) 307)

AMPA; Brainstem slice; Calcium; CNQX; Neuropeptide; Voltage-clamp (Alberi, S. (624) 326)

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Magnetic field
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Magnetic field – 60 Hz
Naloxone; Magnetic field; Hypoalgesia; Nociception; Analgesia; Opiate antagonist; Magnetic-field-induced hypoalgesia (Kavaliers, M. (620) 159)

Magnetic-field-induced hypoalgesia
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δ-Opioid peptide; Gonadotropin-releasing hormone; Prostaglandin E_2; Leukotriene (Gerozissis, K. (626) 219)

Male rat behavior
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Male sex behavior
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Maltose dextrin
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Man
Motor unit; Recruitment threshold; Wrist extensor muscle; Tonic vibration reflex (Romaiguère, P. (602) 32)

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Manganese superoxide dismutase
Transient forebrain ischemia; Copper-zinc superoxide dismutase; Hippocampus; Ischemic tolerance; Gerbil (Ohtsuki, T. (620) 305)

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Δ^9-Tetrahydrocannabinol; (−)-CP-55,940; Reinforcement; Operant conditioning; Hippocampal CA1 cell; Extracellular recording; Cannabinoid receptor (Xue, B.G. (626) 272)

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Marmoset
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Maternal alcohol exposure
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Mating
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Matrix
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MDL 7222
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Mechanoreceptor
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Mechanotransduction
Sensory receptor; Excitability; Threshold; Cockroach; Tactile spine (Torkkeli, P.H. (632) 317)

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Bed nucleus of stria terminalis; Lateral septum; Parental behavior (Wang, Z. (631) 156)

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Medial geniculate nucleus
Heart rate conditioning; Acoustic thalamus; Ibotenic acid lesion; Electrolytic lesion; Rabbit (McCabe, P.M. (619) 291)

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Androgenized female; Antidromic activation; Estrogen; Sexual behavior; Sexual dimorphism; Testosterone; Ventral tegmental area (Hasegawa, T. (611) 1)

Marsupial; Steroid receptor; *Monodelphis*; Limbic system; Reproduction; Septum (Pearson, P.L. (617) 171)

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Estradiol; Testosterone; Galanin; Sex difference; Immunohistochemistry (Bloch, G.J. (620) 259)

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Male sex behavior; Sexually dimorphic area; *Meriones unguiculatus*; Cell-body lesion; Scent marking behavior (Yahr, P. (631) 287)

Medial septal nucleus
Cholinergic neuron; Calbindin-D_{28k}; Nucleus of diagonal band of Broca; Coexistence; Immunocytochemistry; Monkey (Ichitani, Y. (625) 328)

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Cat; Sympathoinhibition; AMPA; Kynurenic acid; Cardiovascular tone; Baroreflex (Dempesy, C.W. (603) 328)

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Vagus nerve; Cervical vagotomy; Catecholaminergic enzyme; Choline acetyltransferase (Ruggiero, D.A. (617) 17)

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Melanin-concentrating hormone-expressing neuron
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Melatonin receptor
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Alzheimer's disease; Lipid bilayer instability; Neurodegeneration; Critical temperature (Ginsberg, L. (615) 355)

Membrane alanyl aminopeptidase
Glutamyl aminopeptidase; Aminopeptidase A; Cerebrovasculature; Angiotensin II; Angiotensinase (Song, L. (606) 286)

Membrane current
Hypoxia; Ischemia; Spreading depression; Anoxic depolarization; Voltage clamp; Hippocampal slice (Czéh, G. (632) 195)

Membrane potential
c-*fos* mRNA expression; Ca^{2+} uptake; Cortical lesion; In situ hybridization (Ruzdijic, S. (601) 230)

Carotid body; Glomus cell; Intracellular pH (He, S.-F. (601) 353)

Immune mediator; Glial cell; Electrophysiological property (Köller, H. (612) 28)

Respiratory neuron; Input resistance; Baclofen; Tetrodotoxin; Iontophoresis (Haji, A. (622) 294)

Carotid body; Glomus cell; Hypoxia; Intracellular pH (Pang, L. (623) 349)

Sodium ion; ATP; Glutamate; Hypoglossal neuron (Haddad, G.G. (625) 261)

Immune mediator; Cultured cortical neuron; Late potassium outward current; I_K; Astrocyte (Köller, H. (628) 313)

Membrane property
Nucleus tractus solitarii; Ionic current; In vitro; Rat (Paton, J.F.R. (604) 112)

Dorsal root ganglion; C-fiber; Morphology (Nagy, I. (609) 193)

Memory
Long-term potentiation; Piriform cortex; Olfactory training (Roman, F.S. (601) 265)

Amyloid precursor protein; Antibody; Alzheimer's disease; Rat; Passive avoidance; Active avoidance (Huber, G. (603) 348)

Chick; Synapse; Plasticity; Stereology; Disector (Hunter, A. (605) 251)

Neurosteroid; Place recognition task; Nucleus basalis magnocellularis; Rat (Mayo, W. (607) 324)

Cocaine; CaM kinase; Hippocampus; Long-term potentiation; Local anesthetic; Synapsin I (Smith, D.A. (608) 259)

MPTP; Norepinephrine; Dopamine; L-DOPA; Olfactory bulb; Hippocampus; Parkinson's disease (Dluzen, D.E. (609) 98)

Clonidine; Reserpine; Prefrontal cortex; Norepinephrine; Monkey (Cai, J.X. (614) 191)

U-50,488H; Nor-binaltorphimine; Ischemia; Body temperature; Mouse (Itoh, J. (619) 223)

Electroconvulsive stimulation; Long-term potentiation; Hippocampus; Depressive illness (Stewart, C. (620) 139)

Dynorphin A(1–13); Basal forebrain lesion; Rat (Ukai, M. (625) 355)

Cholinergic system; Dopaminergic system; Reversal discrimination; Inhibitory avoidance; Cholinergic/dopaminergic interaction (Gasbarri, A. (627) 72)

Meningeal cell
Central nervous system; Astrocyte; Dipeptidyl peptidase II (Struckhoff, G. (620) 49)

Meninges
Choroid plexus; CSF; Thyroid hormone; Plasma protein; Hyperthyroidism; Hypothyroidism; Thyroxine (Blay, P. (632) 114)

Retinoic acid synthesis; Vitamin A metabolism; Cerebrum; Cerebellum; Gray matter; White matter (Dev, S. (632) 325)

Mental nerve
Neuropeptide Y; Axotomy; Mylohyoid nerve; Trigeminal ganglion (Wakisaka, S. (620) 347)

Mepyramine
Histamine; Fluoromethylhistidine; Cerebral ischemia; Four-vessel occlusion; Delayed neuronal death (Adachi, N. (602) 165)

Mercaptoacetate
Neuropeptide Y; Arcuate nucleus; Suprachiasmatic nucleus; Paraventricular nucleus; 2-Deoxy-D-glucose; Feeding behavior (Akabayashi, A. (621) 343)

Mercuric chloride
N-Ethylmaleimide; Iodoacetate; Glutamate; Astrocyte; Transport (Albrecht, J. (607) 249)

Mercury
Rat dorsal root ganglion (DRG) neuron; *Aplysia* neuron; Calcium channel current (Pekel, M. (632) 121)

Meriones unguiculatus
Medial preoptic area; Male sex behavior; Sexually dimorphic area; Cell-body lesion; Scent marking behavior (Yahr, P. (631) 287)

Mesencephalic tectum
Defence reaction; Freezing; Flight; Baroreflex sensitivity; Sinoaortic denervation; Periaqueductal gray matter (Schenberg, L.C. (621) 50)

Mesencephalon
Brain stimulation reward; Dopamine; GBR 12909; Neurotensin; Quinpirole (Rompré, P.-P. (616) 154)

Mesenteric artery
AMPA; AP-7; Blood pressure; DNQX; Epinephrine; Glutamate; Heart rate; Kainate; NMDA; Prazosin; Rat (Malhotra, V. (626) 278)

Mesenteric lymph
Feeding suppression; Satiation; Apolipoprotein A-IV; Lipid meal; Chylomicron; Meal size; Intestine (Fujimoto, K. (608) 233)

Mesocorticolimbic system
In vitro receptor autoradiography; Non-opioid γ-type endorphin; Neuropeptide; Topography; Anti-idiotypic antibody (Ronken, E. (615) 63)

Mesolimbic
Opioid peptide; Ultrastructure; Exocytosis; Nigrostriatal; κ Opioid receptor; Dense core vesicle (Pickel, V.M. (602) 275)

Ethanol self-administration; 6-Hydroxydopamine; Dopamine; Nucleus accumbens; Reinforcement (Rassnick, S. (623) 16)

Cocaine; Time–course; Regional cerebral blood flow; Autoradiography; Nigrostriatal (Stein, E.A. (626) 117)

Mesolimbic dopamine neuron
Opioid; Nicotine; In vivo brain dialysis (Yoshida, M. (624) 277)

Messenger RNA
α-Tubulin; β-Actin; Ischemia; Bifemelane; Gerbil; In situ hybridization histochemistry (Asanuma, M. (600) 243)

Metabolic mapping
Electroconvulsive shock-induced seizure; Quantitative cytochrome oxidase histochemistry; Seizure (Nobrega, J.N. (605) 1)

Metabolism
Anoxia; Ischemia; Excitotoxicity; Turtle brain; Microdialysis (Pérez-Pinzón, M.A. (602) 228)

Ischemia; Brain; Ion flux; Recirculation (Ekholm, A. (604) 185)

Dorsal column nucleus; Plasticity; Primary afferent; Somatosensory; Topographical organization (Crockett, D.P. (612) 41)

Glycogen phosphorylase; Dentate gyrus; Circadian rhythm; Hippocampus; Rat (Harley, C. (626) 310)

5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Gepirone; Serotonin 5-HT_{1A} receptor; Noise (Boadle-Biber, M.C. (628) 105)

Metabolism *in vivo*
Thiamine; Thiamine phosphoesters; Phenytoin; Nervous system; Compartmental model (Patrini, C. (628) 179)

Metabolite
Melatonin; Circadian rhythm; Photoperiod; Light; 6-Sulphatoxymelatonin (Kennaway, D.J. (603) 338)

Norepinephrine; Dopamine; Catecholamine; Serotonin (Shimizu, H. (621) 200)

Metabotropic
Astrocyte; Glutamate; *t*-ACPD; Phosphoinositide; Inositol phosphate; Defined medium (Miller, S. (618) 175)

Aminooxyacetic acid; Energy metabolism; Excitotoxicity; Glutamate; NMDA; Neonatal rat brain (McDonald, J.W. (624) 239)

Metabotropic glutamate receptor
Lithium; G-protein; Hippocampus; CA1; Postsynaptic (Ballyk, B.A. (611) 81)

Cloned cell line; Inositol phosphate; Glutamate binding; *t*-ACPD; Protein kinase C (Thomsen, C. (619) 22)

cAMP; mGluR2 mRNA; Forskolin; Brain slice (Genazzani, A.A. (622) 132)

Acoustic startle response; t-ACPD; Amygdala; Anxiety; Fear; Habituation; Rat (Koch, M. (629) 176)

Metabotropic receptor
Long-term potentiation; Short-term potentiation; Protein kinase C; *N*-Methyl-D-aspartate receptor; Hippocampus; Plasticity (Otani, S. (613) 1)

Aluminum; Inositol phosphate; Muscarinic receptor; Adrenergic receptor; Brain slice (Shafer, T.J. (629) 133)

Extracellular recording; Ionotropic receptor; Cultured cerebellar neuron; Quisqualate; ACPD; AMPA (Fox, E.A. (631) 59)

Met-enkephalin
Substance P; Neurotensin; Descending inhibition; Formalin test; Immunocytochemistry; Rat (Zhang, R.X. (603) 162)

Benzodiazepine receptor; γ-Aminobutyric acid; Naloxone; Morphine (Rocha, L. (612) 247)

Lateral septum; Calbindin D28k; Somatospiny neuron (Doutrelant, O. (615) 335)

Aging; Brain; Enkephalin; Human; Leu-enkephalin; Opioid (Rinne, J.O. (624) 131)

Methamphetamine
Amphetamine psychosis; Behavioral sensitization; Dopamine uptake site; [^{3}H]GBR12935 binding (Nakayama, M. (601) 209)

Neurotoxicity; Microdialysis; Caudate-putamen; L-DOPA; Sinemet (Weihmuller, F.B. (623) 303)

Dopamine; Dihydroxyphenyacetic acid; Neurotoxicity; Glycine; MK-801 (Layer, R.T. (625) 38)

Heat shock protein; Drug-induced hyperthermia; Hippocampus; Mouse brain; Immunohistochemistry (Goto, S. (626) 351)

Reaction time; Dopamine; Serotonin; Neurotoxicity (Richards, J.B. (627) 254)

Methionine enkephalin
Nucleus solitarius; Substance P; Taste (Davis, B.J. (616) 6)

Methionine-enkephalin kindling
Wet-dog shake; Electrical kindling; Kindling stage; Amygdala (Tanaka, T. (604) 149)

3-Methoxytyramine
Mouse; Sensitization; Apomorphine; Stress; Arousal; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid (Cabib, S. (604) 232)

Anorexia; Diabetes-associated peptide; Corpus striatum; Hypothalamus; Dopamine; Serotonin; Glucose; Calcitonin gene-related peptide (Chance, W.T. (607) 185)

***N*-Methylation**
Neurodegeneration; Neurotoxicant; Parkinson's disease; Chromatography/mass spectrometry (Matsubara, K. (610) 90)

Methylazoxymethanol
Hippocampus; Granule cell; Learning; Protein kinase C; B-50/GAP-43 (Di Luca, M. (607) 329)

***N*-Methyl-D-amphetamine neuron**
Amantadine; Memantine; Glutamate; Excitotoxicity; Neurotoxicity (Weller, M. (613) 143)

***N*-Methyl-D-aspartate**
Ethanol; Non-opioid; MK-801; Dizocilpine; Stress-induced analgesia; Genetics; Selective breeding (Mogil, J.S. (602) 126)

Arachidonate; Calcium; Diacylglycerol lipase; Monoacylglycerol lipase (Farooqui, A.A. (604) 180)

Receptor; Glutamate; Autoradiography; Hippocampus; Cortex; C57Bl/6 (Magnusson, K.R. (604) 334)

Glutamate; γ-Aminobutyric acid; Glycine; Benzodiazepine; Quisqualate; Dorsal horn; Substantia gelatinosa; γ-Aminobutyric $acid_A$; γ-Aminobutyric $acid_B$ (Albin, R.L. (604) 354)

Ethanol; Dependence; Hippocampus; Neuron; Sensitivity (Davidson, M.D. (606) 5)

Adenosine; 2-Chloroadenosine; Long-term potentiation; Glutamate; Receptor; Hippocampus (De Mendonça, A. (606) 351)

Ethanol; Lateral septum; Inferior colliculus; Glutamate (Simson, P.E. (607) 9)

NMDA recognition domain; Multiplicity; Antagonist-preferring form; [^{3}H]CGP 39653 binding; [^{3}H]Glu binding (Pingping, Z. (609) 253)

Spreading depression; Glutamate receptor; Hippocampus; CA1; Neuron dendrite; Neuron soma (Herreras, O. (610) 276)

Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Cyproheptadine; Kainate; Quisqualate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Nucleus ventralis posterolateralis thalami; Deafferentation pain; Spinothalamic tract; Thalamus; MK-801 (Koyama, S. (612) 345)

Brain ischemia; Initial association rate; NMDA domain; Glycine domain; Non-NMDA receptor (Yoneda, Y. (613) 21)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; Neuromodulation; Neural plasticity (Stanley, B.G. (613) 88)

Morphine; MK-801; Brain stimulation reward; Addiction (Carlezon Jr., W.A. (620) 339)

Macrolide antibiotic; FK-506; Excitotoxicity; Glutamate; Cerebellar granule neuron; Calcium; CPD (Manev, H. (624) 331)

Calcium; Striatum; Neuron; Subpopulation (Weiss, S. (627) 63)

Thalamus; Cortex; Spike–wave discharge; Generalized absence epilepsy; Sleep spindle (Coulter, D.A. (631) 137)

Myo-inositol; Desensitization; Serotonin; Neocortex (Rahman, S. (631) 349)

Acetylcholine; Opioid peptide; Hippocampus; Aging; Long-term potentiation; Long-term depression (Pang, K. (632) 150)

Ammonium ion; CA1 Pyramidal neuron; Hippocampal slice; Synaptic transmission; Quisqualate (Fan, P. (632) 225)

***N*-Methyl-D-aspartate antagonist**
Neocortex; Anoxic depolarization; Hypoxia; Extracellular calcium; Verapamil; Brain slice (Kral, T. (612) 278)

***N*-Methyl-D-aspartate receptor**
Ethanol; Seizure; Adenosine; Hippocampus (Cohen, S.M. (601) 80)

N-Methyl-D-aspartate receptor
Ethanol; MK-801 binding; Glutamate binding; Glycine binding; CGS 19755 binding; Kainate binding (Snell, L.D. (602) 91)

Long-term potentiation; Hippocampal slice; CA1 neuron; α-Tocopherol; L-Ascorbic acid; Free radical; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

N-Methyl-D-aspartate receptor
Dentate gyrus; Hippocampus; Evoked response; Paired-pulse facilitation; MK-801; Rat (Joy, R.M. (604) 273)

Ischemia; Reperfusion; Dopamine release; Striatum; Cardiac arrest (Werling, L.L. (606) 99)

Glutamate; Spreading depression; Retina; Excitatory amino acid receptor; 2,3-Dihydroxy-6-nitro-7-sulfamoylbenzo(f)quinoxaline (Sheardown, M.J. (607) 189)

Development; Rat; MK-801; Synaptic potential; Glutamate receptor (Kato, N. (608) 166)

Circadian rhythm; Fos-like immunoreactivity; Intergeniculate leaflet; Light stimulus; MK-801; Suprachiasmatic nucleus (Park, H.T. (610) 334)

Long-term potentiation; Short-term potentiation; Protein kinase C; Metabotropic receptor; Hippocampus; Plasticity (Otani, S. (613) 1)

***N*-Methyl-D-aspartate receptor channel**
Müller cell; Glia; Retina; Proliferation; Glutamate (Uchihori, Y. (613) 212)

***N*-Methyl-D-aspartate receptor inactivation**
N-Methyl-D,L-aspartic acid; Cortical activation; Lactation; c-*fos* expression; Progesterone (Abbud, R. (604) 16)

***N*-Methyl-D-aspartate receptor subset**
Cysteate; Cysteine; Glucose deprivation; Hypoxia; Neurotoxicity (Schurr, A. (601) 317)

***N*-Methyl-D-aspartic acid**
Behavior genetics; Pharmacogenetics; Selected mouse line; Convulsion; Ethanol; Ethanol withdrawal (Kosobud, A.E. (610) 176)

Excitatory amino acid; L-Glutamate; Ventral tegmental area; Electrophysiology; Brain slice (Wang, T. (627) 299)

***N*-Methyl-D,L-aspartic acid**
Cortical activation; Lactation; c-*fos* expression; *N*-Methyl-D-aspartate receptor inactivation; Progesterone (Abbud, R. (604) 16)

Methylenedioxyamphetamine
Serotonergic axon; Neurotoxicity; Brainstem nucleus; Immunocytochemistry; Rat (Harvey, J.A. (619) 1)

Methylmercury
L-Glutamate; D-Aspartate; Astrocyte; Transport (Aschner, M. (602) 181)

Methylnaloxonium
Morphine dependence; Locus ceruleus; Electrolytical lesion; Intracerebroventricular (Maldonado, R. (605) 128)

1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine
Adrenocorticotrophin; Cortisol; Parkinson's disease; Hypothalamus; Dopaminergic neuron (Mizobuchi, M. (612) 319)

Basic fibroblast growth factor; Aging; Parkinson's disease (Date, I. (621) 150)

Fluorodihydroxyphenylalanine; Positron emission tomography; Catecholamine metabolism; Catechol-*O*-methyltransferase; Nitecapone; Hemiparkinsonism (Miletich, R.S. (626) 1)

Methylprednisolone
Spinal cord injury; Excitatory amino acid; Microdialysis (Liu, D. (609) 293)

α-Methyl-*p*-tyrosine
Acetylcholine release; Biopterin; Hippocampus; Brain microdialysis; *p*-Chlorophenylalanine; Catecholamine; Serotonin (Ohue, T. (607) 255)

Dopamine D_1/D_2 synergism; Dopamine D_1 receptor; Dopamine D_2 receptor; Stereotypy; Independence; Reserpine; 6-Hydroxydopamine (LaHoste, G.J. (611) 108)

2-Methyl-serotonin
Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; Phenylbiguanide; Calcium; Calcium ionophore; Phorbol ester; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Methysergide
$GABA_B$ receptor; Antinociception; Nucleus raphe magnus; Spinal cord; L-Glutamate; CGP 35348; Phaclofen (McGowan, M.K. (607) 39)

Mg^{2+}
Hippocampus; MK-801; Ischemia; CA1; Rat (Papas, S. (607) 54)

Adenosine; A1 receptor; Hippocampus; Ca^{2+}; Presynaptic inhibition; Synaptic modulation (Smith, D.A. (617) 61)

MHPG-SO_4
CRF; Noradrenaline; Stress; Brain region; Corticosterone; CRF antagonist; α-Helical CRF_{9-41} (Emoto, H. (627) 171)

Microautoradiography
Endogenous morphine; Endogenous codeine; Indirect immunofluorescence; PAP immunoreaction (Bianchi, E. (627) 210)

Microdialysis
Nucleus accumbens; Rat; Restraint; Habituation; Depression (Imperato, A. (601) 333)

Addiction; Individual difference; Stress; Novelty; Locomotor activity; Dopamine; Nucleus accumbens (Rougé-Pont, F. (602) 169)

Metabolism; Anoxia; Ischemia; Excitotoxicity; Turtle brain (Pérez-Pinzón, M.A. (602) 228)

Glucose; Cerebral blood flow; Hydrogen clearance; Unanaesthetised; Rat brain; Tail pinch; Restraint stress (Fellows, L.K. (604) 225)

Cerebral ischemia; Rat; Magnetic resonance spectroscopy; Glutamate; Adenosine triphosphate (Shimizu, H. (605) 33)

Repeated amphetamine; Sensitization; Dopamine; Ventral tegmental area; Nucleus accumbens; Locomotion (Vezina, P. (605) 332)

Norepinephrine; Paraventricular nucleus; Feeding cycle (Paez, X. (606) 167)

Acetylcholine; Choline; Dopamine; Electrical stimulation; Neostigmine; Striatum (Farber, S.A. (607) 177)

Amino acid; R-PIA; Theophylline; Veratridine; Cerebral ischemia (Heron, A. (608) 27)

Acetylcholine; L-β-3,4-Dihydroxyphenylalanine; Bromocriptine; Parkinson's disease; Striatum (DeBoer, P. (608) 198)

α_2-Adrenoceptor; 3,4-Dihydroxyphenylacetic acid; Hippocampus; Norepinephrine; Sensitization; Stress (Nisenbaum, L.K. (608) 280)

Spinal cord injury; Excitatory amino acid; Methylprednisolone (Liu, D. (609) 293)

Noradrenaline; Prefrontal cortex; Morphine dependence; Tolerance; Morphine withdrawal (Rossetti, Z.L. (609) 316)

Desipramine; Yohimbine; Extracellular norepinephrine; Extracellular serotonin; Anticonvulsant effect; Genetically epilepsy-prone rat (Yan, Q.-S. (610) 24)

Spreading depressión; Sustained potential; Direct current potential; Hippocampus, CA1; Glutamate receptor (Herreras, O. (610) 283)

Vasoactive intestinal polypeptide; Pituitary adenylate cyclase activating polypeptide; Acetylcholine; Release; Tetrodotoxin; Hippocampus; Rat (Masuo, Y. (611) 207)

Immunoreactive insulin; Hypothalamus; Ventromedial nucleus; Paraventricular nucleus; Genetically obese Zucker rat (Gerozissis, K. (611) 258)

Spreading depression; Cerebral ischemia; Amino acid; Ischemic penumbra; Migraine; Stroke (Fabricius, M. (612) 61)

Angiotensin II; Dopamine; Striatum (Mendelsohn, F.A.O. (613) 221)

Cerebral ischemia; Eicosanoid (Patel, P.M. (614) 315)

Noradrenaline; Acetylcholine; Transmitter release; Hippocampus; Functional recovery; Fimbria-fornix lesion (Leanza, G. (615) 147)

Neuron injury; Spreading depression; Potassium; Depolarization; Current source density; Hippocampus CA1 (Herreras, O. (617) 194)

Dopamine; Sexual behavior; Nucleus accumbens (Wenkstern, D. (618) 41)

Acetylcholine; Hippocampus; Transplantation; Transmitter release; Catecholamine (Leanza, G. (618) 47)

Pain; Aspartate; Glutamate; Glycine; Serotonin; Monoamine; Spinal cord; Endogenous analgesia system (Sorkin, L.S. (618) 95)

Acetylcholine release; Hippocampus; Dopamine D_1 receptor; Dopamine D_2 receptor; SKF 38393; LY 171555; Apomorphine; SCH 23390 (Imperato, A. (618) 341)

Acetylcholine; Serotonin; Nucleus accumbens; Fluoxetine; 8-OH-DPAT (Rada, P.V. (619) 98)

Acetylcholine; GABA; Nucleus accumbens; Muscimol; Baclofen; Bicuculline; Saclofen (Rada, P.V. (619) 105)

Marijuana; Cannabis; Cannabinoid; Δ^9-Tetrahydrocannabinol (Δ^9-THC); Dopamine; Ventral tegmental area; Nucleus accumbens; Brain reward; Addiction (Chen, J. (621) 65)

Alcohol; Opiate antagonist; Serotonin; Dopamine metabolite; 5-HIAA (Benjamin, D. (621) 137)

Nimodipine; Acetylcholine; Choline; Hypoxia; Altitude (Shukitt-Hale, B. (621) 291)

Discrimination learning; Mult VI EXT reinforcement schedule; Mix VI EXT reinforcement schedule; Amygdala; Dopamine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid; Rat (Hori, K. (621) 296)

Nicotine; Serotonin; Frontal Cortex (Ribeiro, E.B. (621) 311)

Substance P; Acetylcholine; Dopamine; NK-1 receptor; Rat; Striatum (Guevara Guzman, R. (622) 147)

MK-801; Dopamine; Dopamine D_1 receptor; Dopamine D_2 receptor; Striatum; Prefrontal cortex (Wędzony, K. (622) 325)

Dopamine; Opioid; ∂ Opioid receptor; Ventral tegmental area; Nucleus accumbens (Devine, D.P. (622) 348)

Acetylcholine; Substance P; Neurokinin; Striatum; Basal ganglia (Anderson, J.J. (623) 189)

Neurotoxicity; Caudate-putamen; L-DOPA; Sinemet; Methamphetamine (Weihmuller, F.B. (623) 303)

Somatosensory cortex; Acetylcholine; Circadian rhythm; Arousal (Jiménez-Capdeville, M.E. (625) 152)

Grooming behavior; Dopamine release in vivo; ACTH(1–24) (Florijn, W.J. (625) 169)

Glutamate; Substance P; Aspartate; Calcitonin gene-related peptide; Inflammation; Dorsal horn; Lidocaine (Sluka, K.A. (627) 89)

Acetylcholine; SKF-38393; Striatum; Frontal cortex (Zocchi, A. (627) 186)

Acetylcholine; Cortex; GABA; Benzodiazepine receptor; Chlordiazepoxide; ZK 93 426; Rat (Moore, H. (627) 267)

α_2 Adrenergic agonist; Dexmedetomidine; Ischemia, cerebral; Norepinephrine; Rabbit (Matsumoto, M. (627) 325)

Ibogaine; D-Amphetamine; Dopamine; Nucleus accumbens; Striatum (Glick, S.D. (628) 201)

Nucleus accumbens; Cholecystokinin; Local perfusion; Dopamine release; Freely moving rat (Ladurelle, N. (628) 254)

Acetylcholine; Choline; Electrical stimulation; Anesthetized rat; Neostigmine; Striatum (Marshall, D.L. (629) 269)

Rat rostral ventrolateral medulla; Transmitter-like L-DOPA release; Microinjection; Pressor responses to L-DOPA; Competitive L-DOPA antagonist; Tonic recognition site for L-DOPA (Yue, J.-L. (629) 310)

Brown adipose tissue; Peptide; Norepinephrine; Serotonin; 3,4-Dihydroxyphenylacetic acid; Noradrenaline (Shimizu, H. (630) 95)

Opioid antagonist; Stroke; Excitatory amino acid (Graham, S.H. (632) 346)

Microdialysis, in vivo
Dopamine; Acetylcholine; Carbachol; Naloxone (Kischka, U. (613) 288)

Microfilament
PC12 cell; Cell injury; Hydrogen peroxide; Microtubule; Cell calcium (Hinshaw, D.B. (615) 13)

Microflow
Biopsy; Neocortex; Interneuron; Basket formation; Perivascular fiber (DeFelipe, J. (615) 342)

Microfluorometry
Rhod-2; Calcium; Hippocampus; Dantrolene; Extracellular DC potential; Ischemia-like condition; Gerbil (Mitani, A. (601) 103)

Microglia
Alzheimer's disease; C3 protein; β/A4 amyloid protein; Synthetic peptide; Senile plaque (Haga, S. (601) 88)

Macrophage; 3-Acetylpyridine; Rat; Brain (Ogawa, M. (610) 135)

Epilepsy; Neuroimmunology; Free radical; Reactive oxygen intermediate (Müller, M. (619) 157)

Neurotoxicity; Glial fibrillary acidic protein; Paroxetine; Immunoblot; 5,7-Dihydroxytryptamine (Rowland, N.E. (624) 35)

Cerebral ischemia; Hippocampus; Immunohistochemistry; Superoxide dismutase; Free radical; Astrocyte; Rat (Liu, X.-H. (625) 29)

Microglia / macrophage
Proliferation; Twitcher mouse; Immunocytochemistry; Autoradiography; Demyelination (Ohno, M. (602) 268)

Cell culture; Nerve growth factor receptor; Neuroimmunology; S-antigen; Superior cervical sympathectomy (McNulty, J.A. (610) 108)

Microinfusion
Rat; Awake animal; Tooth pulp afferent; Glutamate; Trigeminal sensory complex; NMDA antagonist (Boucher, Y. (614) 155)

Central amygdaloid nucleus; Heart rate; Behavior; Catecholamine; Corticosterone; CRH; CRH antagonist (Wiersma, A. (625) 219)

Microinjection
NPY(1–36); NPY(13–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_1 receptor; Neuropeptide Y_2 receptor; Nucleus tractus solitarii; Cardiovascular (Yang, S.-N. (621) 126)

Micro-injection
Bed nucleus of stria terminalis; Substantia innominata; Central nucleus of the amygdala; Cardiovascular control (Gelsema, A.J. (626) 156)

Microinjection
Rat rostral ventrolateral medulla; Microdialysis; Transmitter-like L-DOPA release; Pressor responses to L-DOPA; Competitive L-DOPA antagonist; Tonic recognition site for L-DOPA (Yue, J.-L. (629) 310)

Microiontophoresis
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Respiratory neuron; Cat; Brainstem; Substance P (4–11) amide; Serotonin; In vivo (Rampin, O. (622) 185)

Apomorphine; Dopamine D_1 receptor; Dopamine D_2 receptor; Electrophysiology; Ethanol; Quinpirole; Single-unit extracellular recording (Shen, R.-Y. (624) 216)

Hamster; Intergeniculate leaflet; Photic response; Entrainment; Serotonin; Melatonin; 5-HT receptor (Ying, S.-W. (628) 8)

Microneurography
Peripheral nerve; Intraneural stimulation; Degeneration; Regeneration (Rice, A.S.C. (631) 221)

Microsac
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Microstimulation
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Microstructural analysis
Anorexia; Cocaine; Locomotion; Rearing; Grooming (Cooper, S.J. (608) 45)

Microtubule
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PC12 cell; Cell injury; Hydrogen peroxide; Microfilament; Cell calcium (Hinshaw, D.B. (615) 13)

Alzheimer's disease; Tau; Aluminum; Cytoskeleton; Deferoxamine (Scott, C.W. (628) 77)

Axonal transport; Aging; Trophic support; Neural degeneration; Cytoskeleton (Viancour, T.A. (628) 209)

Microtubule-associated protein 2
Amyloid precursor protein; Transient global ischemia; Four-vessel occlusion; Alzheimer's disease (Robison, P.M. (608) 334)

Alzheimer's disease; Cytoskeleton (Scott, C.W. (611) 237)

Delayed neuronal death; Calcium; NMDA receptor antagonist; Gerbil; Cerebral ischemia (Nakamura, K. (613) 181)

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Midbrain
Cerebral cortex; Choline acetyltransferase; Choline transporter site; Cholinergic nerve terminal; Hemicholinium-3 binding site; Hippocampus; Brainstem; Striatum (Zahalka, E.A. (601) 221)

Periaqueductal gray; Respiration; Vocalization; Hering–Breuer reflex; Larynx; Upper airway reflex; Excitatory amino acid; Defence (Davis, P.J. (607) 61)

Midbrain central gray
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Midbrain dopamine system
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Middle cerebral artery occlusion
Focal cerebral ischemia; Immunohistochemistry; Infarct size; Mouse (Chiamulera, C. (606) 251)

Atrophy; DNQX; Ischemia; KB-2796; Rat (Hara, H. (618) 251)

Ischemia; Heat shock protein; mRNA; In situ hybridization; Immunocytochemistry (Kinouchi, H. (619) 334)

Neuron-specific enolase; Focal ischemia; Neurological deficit; Rat; Systemic circulation; Cerebral circulation (Barone, F.C. (623) 77)

Migraine
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Spreading depression; Cerebral ischemia; Microdialysis; Amino acid; Ischemic penumbra; Stroke (Fabricius, M. (612) 61)

Sumatriptan; Neurogenic inflammation; Tachykinin; Trigeminal ganglia; Serotonin; CP-122,288; CP-122,638 (Lee, W.S. (626) 303)

C-*Fos*; Trigeminal nucleus caudalis; Superficial dorsal horn; Nucleus of the solitary tract; Nucleus retroambigualis (Kaube, H. (629) 95)

Migration
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Milk ejection
Lactation; Pregnancy; Oxytocin receptor; Electrophysiology; In vitro slice; Limbic system; Maternal behavior (Ingram, C.D. (602) 325)

Mineralocorticoid
Glucocorticoid; Inward rectifier; A-current; Delayed rectifier; Patch clamp; Hippocampal slice (Karst, H. (612) 172)

Mineralocorticoid receptor
Steroid; Glucocorticoid receptor; Primary culture; Cortex; Hippocampus; Serotonin; Rat; Brain (Vedder, H. (605) 18)

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Corticosterone; Glucocorticoid receptor; Paraventricular nucleus; Feeding; Carbohydrate; Fat (Tempel, D.L. (614) 197)

Hypothalamic-pituitary-adrenal axis; Glucocorticoid receptor; Corticosteroid-binding globulin; Stress response; Diurnal rhythm; Rat strain; Neuro-immune (Dhabhar, F.S. (616) 89)

Corticosteroid; Glucocorticoid receptor; Hippocampus; RU 28362; RU 26752; Corticosterone; Dexamethasone (Jacobson, L. (625) 84)

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Gender; Handedness; Forebrain oxygenation; Hemodynamics; Near-infrared spectrophotometry (Okada, F. (601) 337)

Mitochondrial plasticity
Morphometry; Mitochondrion; Aging; Cerebellum; Synaptic mitochondrion; Brain aging (Bertoni-Freddari, C. (628) 193)

Mitochondrion
Fura-2; Calcium channel; Frequency (Bleakman, D. (600) 257)

Anoxia; Glycolysis; Respiration; Synaptosome (Gleitz, J. (611) 286)

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Morphometry; Aging; Cerebellum; Mitochondrial plasticity; Synaptic mitochondrion; Brain aging (Bertoni-Freddari, C. (628) 193)

Mitogen
Nerve growth factor; Neuron; Neurotrophic effect; Astrocyte; Central nervous system (Shao, N. (609) 338)

Mitogenic factor
Vasoactive intestinal peptide; Neuroblastoma; Autocrine growth factor (Wollman, Y. (624) 339)

Mixed synapse
Dopamine; Electrotonic transmission; Lobster; Stomatogastric ganglion; Modulation (Johnson, B.R. (625) 159)

Mix VI EXT reinforcement schedule
Discrimination learning; Mult VI EXT reinforcement schedule; Amygdala; Dopamine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid; microdialysis; Rat (Hori, K. (621) 296)

MK-329
Cholecystokinin receptor antagonist; L-365,260; Receptor autoradiography; Visceral afferent; Feeding; Nucleus tractus solitarii; Area postrema (Corp, E.S. (623) 161)

MK-801
Lead; Learning; Repeated acquisition; Performance; Dizocilpine; NMDA receptor (Cohn, J. (600) 208)

Ethanol; Non-opioid; Dizocilpine; *N*-Methyl-D-aspartate; Stress-induced analgesia; Genetics; Selective breeding (Mogil, J.S. (602) 126)

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Circadian rhythm; Fos-like immunoreactivity; Intergeniculate leaflet; Light stimulus; *N*-Methyl-D-aspartate receptor; Suprachiasmatic nucleus (Park, H.T. (610) 334)

Nucleus ventralis posterolateralis thalami; Deafferentation pain; Spinothalamic tract; Thalamus; *N*-Methyl-D-aspartate (Koyama, S. (612) 345)

Cerebellar cortex; Human; CNQX; Glutamate receptor; Development; Aging (Johnson, M. (615) 259)

NMDA; Glycine site; ACEA-1011; Formalin pain (Vaccarino, A.L. (615) 331)

Morphine; Analgesia; Acute tolerance; Chronic tolerance; Swiss Webster mouse (Lutfy, K. (616) 83)

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Cerebral ischemia; λ Opiate receptor; Hippocampus; Mossy fiber (Perry, D.C. (617) 296)

Spreading depression; mRNA; Glial fibrillary acidic protein (Bonthius, D.J. (618) 83)

Dizocilpine; Phencyclidine; Glutamate; GABA (Hönack, D. (620) 167)

Morphine; *N*-Methyl-D-aspartate; Brain stimulation reward; Addiction (Carlezon Jr., W.A. (620) 339)

Microdialysis; Dopamine; Dopamine D_1 receptor; Dopamine D_2 receptor; Striatum; Prefrontal cortex (Wędzony, K. (622) 325)

Methamphetamine; Dopamine; Dihydroxyphenyacetic acid; Neurotoxicity; Glycine (Layer, R.T. (625) 38)

Dopamine; Prefrontal cortex; Dialysis; Locomotor activity (Wędzony, K. (625) 333)

Opiate tolerance; Spinal cord; Antinociception; Tail flick test; NMDA (Gutstein, H.B. (626) 332)

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Ethanol; *N*-Methyl-D-aspartate receptor; Glutamate binding; Glycine binding; CGS 19755 binding; Kainate binding (Snell, L.D. (602) 91)

Modified glomerular complex
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Modiolus
Organ of Corti; Muscarinic autoreceptor; Inositol phosphate (Bartolami, S. (626) 200)

Modulation
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Module
Barrel cortex; Vasoactive intestinal polypeptide; Immunohistochemistry; Spatial organization (Zilles, K. (618) 149)

Molecular layer
Hypothyroidism; Cerebellum; Tubulin; Detyrosination; Tubulinyl-tyrosine carboxypeptidase; Synaptogenesis (Poddar, R. (614) 233)

Molecular size
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Mollusc
Enkephalin; Immunocytochemistry; *Cepaea nemoralis* (Sakharov, D. (620) 114)

GABA; Immunohistochemistry; Neurotransmitter; Cephalopod (Cornwell, C.J. (621) 353)

Molsidomine
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Basic fibroblast growth factor; Cerebral ischemia; Hippocampus; Delayed neuronal death (Nakata, N. (605) 354)

Cerebral ischemia; Hippocampus; Selective vulnerability; Heat shock protein; Stress response (Kato, H. (615) 240)

Cerebral ischemia; Hippocampus; Ischemic tolerance; Ubiquitin; Immunohistochemistry (Kato, H. (619) 339)

Cerebral ischemia; Hippocampus; Locomotor activity (Babcock, A.M. (625) 351)

Cerebral ischemia; Ischemic tolerance; Laminin; Dentate hilus; Hippocampus; Immunohistochemistry (Sugimoto, A. (629) 159)

Monkey
Neuropeptide Y; Insular lobe; Immunocytochemistry; Cerebral cortex; Non-human primate (Augustine, J.R. (603) 255)

Globus pallidus; Motor cortex; Premotor area; Supplementary motor area; Prefrontal area; Putamen; Caudate nucleus (Yoshida, S.-i. (611) 170)

Clonidine; Reserpine; Memory; Prefrontal cortex; Norepinephrine (Cai, J.X. (614) 191)

Cognition; Basal ganglia; MPTP; Frontal cortex (Schneider, J.S. (615) 351)

Pedunculopontine nucleus; Laterodorsal tegmental nucleus; Choline acetyltransferase; MPTP (Herrero, M.T. (624) 281)

GABA; Parvalbumin; LANT6; Co-occurrence; Pallidum; Substantia nigra; Pigeon (Reiner, A. (624) 317)

Cholinergic neuron; Calbindin-D_{28k}; Medial septal nucleus; Nucleus of diagonal band of Broca; Coexistence; Immunocytochemistry (Ichitani, Y. (625) 328)

Cerebellum; Dentate nucleus; Cooling; Cortical potential; Motor cortex (Tsujimoto, T. (629) 1)

Calcitonin gene-related peptide; Substance P; Trigeminal ganglion; Pericellular arborization; Electron microscopy (Prins, M. (629) 315)

Monkey tissue
Monoamine oxidase A; Monoamine oxidase B; Monoclonal antibody; Regional brain localization; Cellular distribution; Intracellular distribution; Rat tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

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Monoamine oxidase
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Monoamine oxidase A
Monoamine oxidase B; Monoclonal antibody; Regional brain localization; Cellular distribution; Intracellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

Hepatic encephalopathy; Monoamine oxidase; Monoamine oxidase B; Post-mortem human brain; Serotonin metabolism (Rao, V.L.R. (621) 349)

Monoamine oxidase B
Monoamine oxidase A; Monoclonal antibody; Regional brain localization; Cellular distribution; Intracellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

Hepatic encephalopathy; Monoamine oxidase; Monoamine oxidase A; Post-mortem human brain; Serotonin metabolism (Rao, V.L.R. (621) 349)

Monoamine synthesis
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Monocarboxylate anion carrier
Blood–brain barrier; Lactate transport; Transport kinetics; Rat brain (LaManna, J.C. (614) 164)

Monoclonal antibody
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Monoamine oxidase A; Monoamine oxidase B; Regional brain localization; Cellular distribution; Intracellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

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mGluR1; Somatic sensation; Immunoblotting; Immunohistochemistry; Trigeminal ganglion (Araki, T. (627) 341)

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Mononeuropathy
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Mono-oxygenase
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Monosynaptic
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Monosynaptic excitatory postsynaptic potential
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Conditioned place preference; CXBK mouse; Naloxonazine; μ Opioid receptor subtype; Reinforcement; Dopamine D_1 receptor (Suzuki, T. (602) 45)

Trigeminal; Dorsal horn; Thermoreception; Marginal zone; Antinociception (Mokha, S.S. (602) 205)

Opioid; Vagus (Randich, A. (603) 186)

Rostral ventromedial medulla; Awake rat; Antinociception (McGaraughty, S. (604) 331)

Tolerance dependence; Abstinence; Rat; Dopamine D_2 receptor; Spiroperidol; 2-Bromo-α-ergocryptine; Behavioral activity; Receptor density; Apparent dissociation constant (Reddy, P.L. (607) 293)

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Opiate tolerance; Dependence and withdrawal; Cyclic AMP-dependent protein kinase; Adenylate cyclase; G-protein; Neuronal excitability; Inbred rat strain; Genetic vulnerability (Guitart, X. (611) 7)

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Amphetamine; 6,7-Dinitroquinoxaline-2,3-dione; Nucleus accumbens; Conditioned place preference (Layer, R.T. (617) 267)

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MK-801; *N*-Methyl-D-aspartate; Brain stimulation reward; Addiction (Carlezon Jr., W.A. (620) 339)

Noradrenaline; α_2-Adrenoceptor; Antinociception; Pain; Spinal cord (Xu, X.-J. (621) 267)

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Cholecystokinin; Tolerance; Gene expression; Radioimmunoassay (Ding, X.Z. (625) 139)

Dorsal horn; Trigeminal nucleus caudalis; Nociception (Mokha, S.S. (626) 318)

Tolerance; Formalin pain; Tail-flick (Vaccarino, A.L. (627) 287)

Neuropathy; Hyperalgesia; Clonidine; (±)-Baclofen; Carbamazepine (Smith, G.D. (632) 16)

Ventral tegmental area; Opiate; Opioid; U-50,488H, μ, κ; Feeding (Noel, M.B. (632) 68)

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Periaqueductal gray; Nucleus reticularis gigantocellularis; Nucleus raphe magnus; Naltrexone; β-Funaltrexamine; Naltrindole; Opioid receptor (Kiefel, J.M. (624) 151)

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Morphine level
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Morphine withdrawal
Noradrenaline; Microdialysis; Prefrontal cortex; Morphine dependence; Tolerance (Rossetti, Z.L. (609) 316)

Locus coeruleus; In vivo voltammetry; Excitatory amino acid antagonist; Naloxone; Opioid (Hong, M. (623) 131)

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Morphology paramater
6-Hydroxydopamine; MPTP; Neuronal degeneration; BTCP; Dopamine uptake inhibition; Neuroprotection (Cerruti, C. (617) 138)

Morphometric Golgi study
Protein malnutrition; Hippocampus; CA3 pyramidal cell (García-Ruiz, M. (625) 203)

Morphometry
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Zinc; Neurotoxicity; Kainic acid; Hippocampus; Seizure; Rat (Nave, J.M. (604) 298)

Supraoptic nucleus; Paraventricular nucleus; Alzheimer's disease; Hypothalamus; Human (De Lacalle, S. (609) 154)

Mitochondrion; Aging; Cerebellum; Mitochondrial plasticity; Synaptic mitochondrion; Brain aging (Bertoni-Freddari, C. (628) 193)

Morris water maze
Fluid-percussion brain injury; Cognitive enhancer; Nootropic drug (Pierce, J.E.S. (624) 199)

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Mosaic
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Mossy fiber
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Cerebral ischemia; λ Opiate receptor; Hippocampus; MK-801 (Perry, D.C. (617) 296)

Mossy fiber sprouting
Cell adhesion molecule; Kainate treatment; Astrocyte; Gliosis (Niquet, J. (626) 106)

Motivation
Medial preoptic area; Bilateral lesion; Socio–sexual behavior; Pursuit (Paredes, R.G. (618) 271)

Nucleus accumbens; Neostriatum; Dopamine; Instrumental behavior; Motor control; Parkinsonism (Salamone, J.D. (628) 218)

Sexual behavior; Monoamine synthesis; Male; Rat (Vega-Matuszczyk, J. (630) 82)

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H-reflex; Size principle; Recruitment order (Davies, L. (602) 104)

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Regeneration; Nerve regeneration; Nerve injury; Sciatic; Electrotherapy; Direct current; Electric field (Pomeranz, B. (603) 271)

Retrograde transport; Gene delivery system; Plasmid gene construct (Sahenk, Z. (606) 126)

Spinal cord; Axial muscle; Motor pool; Avian; Myotome (Gutman, C.R. (609) 129)

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Spinal cord; Cat; Onuf's nucleus; Plasticity; Growth-associated protein; Neuritogenesis; Sprouting immunohistochemistry (Nacimiento, W. (613) 80)

Thyrotropin-releasing hormone; Immunocytochemistry; Spinal cord; Computerized morphometry (Shi, J. (626) 83)

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Acetylcholinesterase; Substantia nigra; Fasciculin; Toxin; Circling behavior (Dajas, F. (616) 1)

Thoraco-abdominal preparation; Swimmeret system; Abdominal positioning system; Serotonin; Proctolin; In vitro; *Procambarus clarkii* (G.) (Barthe, J.-Y. (623) 101)

Motor circuitry
Aging; δ Opioid receptor; Guinea pig; Autoradiography (Hiller, J.M. (614) 86)

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Striatum; Drug abuse; Retrograde transport (Van Bockstaele, E.J. (624) 188)

Horseradish peroxidase; Intracellular staining; Primary afferent; Trigeminal (Donga, R. (626) 347)

Nucleus accumbens; Neostriatum; Dopamine; Motivation; Instrumental behavior; Parkinsonism (Salamone, J.D. (628) 218)

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Cerebellum; Dentate nucleus; Cooling; Cortical potential; Monkey (Tsujimoto, T. (629) 1)

Motor learning
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Motor nerve terminal
Toosendanin; Effect on membrane current; Perineurial recording; Transmitter release; Calcium channel; Potassium channel (Xu, Y. (631) 46)

Motor neuron disease
Alpha motoneuron; Degeneration; Trk; Neurotrophin; In situ hybridization (Seeburger, J.L. (621) 111)

Motor neuron disorder
BOAA; NBQX; Neurotoxicity; Neurolathyrism; Excitatory amino acid (Willis, C.L. (627) 55)

Motor pool
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6-Hydroxydopamine; Spinal cord; Hindlimb flexor reflex; α_1 Receptor (Simmons, K.E. (611) 231)

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Recruitment; Size principle; Flexor carpi ulnaris (Jones, K.E. (602) 354)

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Nifedipine; Oxotremorine; Physostigmine; Nociception (Pavone, F. (623) 308)

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Corticosterone; Steroid receptor; Pentylenetetrazol; Aminoglutethimide; Convulsion (Roberts, A.J. (626) 143)

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Mouse brain
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Mouse cerebrum
Phosphoinositide metabolism in vivo; Cholinergic agonist and antagonist; Pilocarpine; Atropine; Inositol phosphate; Mouse Cerebellum (Lin, T.-A. (622) 169)

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Myelin-associated glycoprotein
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Myelin; Hypomyelinating mutant; Caprine β-mannosidosis; Myelin basic protein; Proteolipid protein; 2′,3′-Cyclic nucleotide 3′-phosphodiesterase; Glial fibrillary acidic protein (Sasaki, M. (620) 127)

Myelination
Mutant rat; Schwann cell; Nuclear membrane; Ultrastructure (Kondo, A. (613) 173)

Myelin basic protein
Myelin; Hypomyelinating mutant; Caprine β-mannosidosis; Myelin-associated glycoprotein; Proteolipid protein; 2′,3′-Cyclic nucleotide 3′-phosphodiesterase; Glial fibrillary acidic protein (Sasaki, M. (620) 127)

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Flunarizine; Glutamate release; Ca^{2+} channel; Veratridine; Ouabain; Tetrodotoxin (Cousin, M.A. (606) 227)

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NADH-dehydrogenase
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NADPH diaphorase
Alz-50; Striatum; Immunohistochemistry; Heat-shock protein; Tau protein (Nelson, P.T. (600) 285)

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Arginine; Nitric oxide; Citrulline; cGMP; Dorsal root ganglion; Enteric plexus; Histochemistry (Aoki, E. (620) 142)

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Naloxone
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Benzodiazepine receptor; γ-Aminobutyric acid; Morphine; Met-enkephalin (Rocha, L. (612) 247)

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Morphine analgesia; Periaqueductal gray; Nucleus reticularis gigantocellularis; Nucleus raphe magnus; β-Funaltrexamine; Naltrindole; Opioid receptor (Kiefel, J.M. (624) 151)

Alcohol intake; Naltrindole; β-Funaltrexamine; Opiate receptor; Mu; δ Opioid receptor; Mouse (Lê, A.D. (630) 330)

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Polyarthritic rat; Vocalization threshold; Paw pressure; Endogenous opioid system; Naloxone; MR-2266 (Cattaneo, I. (623) 201)

Morphine analgesia; Periaqueductal gray; Nucleus reticularis gigantocellularis; Nucleus raphe magnus; Naltrexone; β-Funaltrexamine; Opioid receptor (Kiefel, J.M. (624) 151)

Alcohol intake; β-Funaltrexamine; Naltrexone; Opiate receptor; Mu; δ Opioid receptor; Mouse (Lê, A.D. (630) 330)

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γ-Aminobutyric acid; ω-Conotoxin; BAPTA-AM; Antidromic stimulation; Na^+ permeability (Bernath, S. (632) 232)

Nerve cell
Acrylamide; Neurotoxicity; Schwann cell; Electron probe X-ray microanalysis; Element; Axon (LoPachin, R.M. (608) 238)

Nerve conduction
Axon; Nerve fiber; Safety factor; Sodium ion; Conduction block (Fern, R. (616) 48)

Nerve crush
Endoneurial capillary; Regeneration; Sciatic nerve; Rat (Podhajsky, R.J. (623) 117)

Axoplasmic transport; Fluorescent tracer; Photoconversion; Diaminobenzidine; Ranvier's node; Axon–Schwann cell network (Persson, H.G. (630) 115)

Nerve discharge
Polymodal receptor; Visceral nociceptor; Sensitization; Prostaglandin E_2; Bradykinin; EP receptor subtype; cAMP (Kumazawa, T. (632) 321)

Nerve fiber
Axon; Nerve conduction; Safety factor; Sodium ion; Conduction block (Fern, R. (616) 48)

Neuron-specific β-tubulin isotype; Monoclonal antibody; Immunohistochemistry; Chicken; Ultimobranchial gland; C cell (Kameda, Y. (628) 121)

Nerve graft
Peripheral nerve; Conduit; Neurotropism; Nerve regeneration (Maeda, T. (618) 196)

Nerve growth factor
Nucleus basalis magnocellularis; Cortical cholinergic neuron; Choline acetyltransferase (Dekker, A.J. (601) 329)

c-*fos*; Potassium chloride; Spreading depression (Herrera, D.G. (602) 99)

Fibroblast growth factor; Brain injury; Human; Enzyme-linked immunoassay; PC12; Neurotrophic (Patterson, S.L. (605) 43)

Thalamus; Thalamic reticular nucleus; Basal forebrain; Choline acetyltransferase (Chen, S. (606) 207)

Somatomedin; Axon; Neurite; Insulin-like growth factor II; Sensory ganglia (Fernyhough, P. (607) 117)

Fibroblast growth factor; Calcium; Excitotoxicity; Hypoglycemia; Neuron death; Nifedipine; Patch clamp (Cheng, B. (607) 275)

Nucleus basalis of Meynert; Choline acetyltransferase; Acetylcholinesterase; Aging (Santucci, A.C. (609) 327)

Neuron; Neurotrophic effect; Astrocyte; Mitogen; Central nervous system (Shao, N. (609) 338)

Female sex behavior; Vocalization; Rejection behavior; Anti-nerve growth factor; Weight gain (Gibbs, R.B. (610) 256)

Blood–brain barrier; Plasma nerve growth factor; Development (Fabian, R.H. (611) 46)

Immunoassay; Smooth muscle hyperplasia; Wistar–Kyoto rat; Spontaneously hypertensive rat (Zettler, C. (614) 15)

Nerve growth factor mRNA; Gene expression; Central nervous system; Primate (Hayashi, M. (618) 142)

Ethanol; Trophic factor neuroprotection; Dorsal root ganglion (Heaton, M.B. (620) 78)

Alzheimer's disease; Fura-2; Glutamate; Hippocampus; Neurotoxicity (Mattson, M.P. (621) 35)

Submandibular gland; Cell culture; Mouse (Fahnestock, M. (621) 339)

Protein kinase C; Protein kinase A; Phorbol ester; Fibroblast growth factor; Alcohol (Roivainen, R. (624) 85)

Brain-derived neurotrophic factor; Dopamine; Intracerebral transplantation; Parkinson's disease (Sauer, H. (626) 37)

Mouse; Adrenal; Medulla; Putamen; Neurofilament; Dopamine; Phenylethanolamine-*N*-methyl transferase; Immunocytochemistry; Synapse (Jousselin-Hosaja, M. (627) 275)

Nerve growth factor mRNA
Nerve growth factor; Gene expression; Central nervous system; Primate (Hayashi, M. (618) 142)

Nerve growth factor receptor
Cell culture; Microglia/macrophage; Neuroimmunology; S-antigen; Superior cervical sympathectomy (McNulty, J.A. (610) 108)

Calcitonin gene-related peptide; Immunohistochemistry; Dorsal root ganglion; Sensory neuron (Zhou, X.-F. (612) 322)

Nerve injury
Regeneration; Nerve regeneration; Sciatic; Motoneuron; Age; Electromyogram; Transcutaneous stimulation (Campbell, J.J. (603) 264)

Regeneration; Nerve regeneration; Sciatic; Motoneuron; Electrotherapy; Direct current; Electric field (Pomeranz, B. (603) 271)

Ketamine; Dextrorphan; NMDA receptor; Hyperalgesia; Spontaneous pain; Neuropathic pain (Mao, J. (605) 164)

Dental pulp; Blood flow; Laser Doppler; Neuropeptide; GAP-43; Neurotrophin receptor; Cat; Immunohistochemistry (Olgart, L. (625) 109)

Ectopic firing; Neuroma; Pain; Sprouting (Amir, R. (630) 283)

Nerve regeneration
Regeneration; Nerve injury; Sciatic; Motoneuron; Age; Electromyogram; Transcutaneous stimulation (Campbell, J.J. (603) 264)

Regeneration; Nerve injury; Sciatic; Motoneuron; Electrotherapy; Direct current; Electric field (Pomeranz, B. (603) 271)

Peripheral nerve; Conduit; Neurotropism; Nerve graft (Maeda, T. (618) 196)

Synaptophysin (p38); Vesicle; Sprout; Node of Ranvier; Peripheral nerve (Okajima, S. (631) 133)

Nerve terminal
Calcium channel; Norepinephrine; Ryanodine; Stellate ganglion; Sympathetic nerve activity (Gurnett, C.A. (612) 238)

Brain rich; Neuron-specific; Immunocytochemical; Developmental change; Protein 14 kDa; Presynapse (Shibayama-Imazu, T. (622) 17)

Nervi nervorum
Nervi vasorum; Noradrenaline; Neuropeptide; Peripheral neuropathy (Lincoln, J. (632) 48)

Nervi vasorum
Nervi nervorum; Noradrenaline; Neuropeptide; Peripheral neuropathy (Lincoln, J. (632) 48)

Nervous system
Opioid receptor; Enkephalin; Growth; Development; Cerebellum; Brain; Zeta (ζ) receptor; Biochemistry; Protein chemistry (Zagon, I.S. (605) 50)

$p34^{cdc2}$; *cdc2* kinase; cdc2-related protein kinase; Nucleolus; Endocrine system; Immunohistochemistry (Ino, H. (614) 131)

Thiamine; Thiamine phosphoesters; Phenytoin; Compartmental model; Metabolism *in vivo* (Patrini, C. (628) 179)

Opioid receptor; Growth; Opioid growth factor; Development; Brain; Zeta (ζ) receptor; Biochemistry; Antibody; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

Network
Turtle; Retina; Horizontal cell; Dye coupling; Neurobiotin; Voronoi–Delaunay tiling; Mosaic (Ammermüller, J. (616) 351)

Neural connection
Median preoptic nucleus; Paraventricular nucleus; Baroreceptor; Blood pressure control; Electrophysiology (Tanaka, J. (605) 338)

Neural crest
Neuroblastoma; Differentiation; Neocarzinostatin (Lowengrub, J.A. (613) 123)

Neural degeneration
Axonal transport; Aging; Trophic support; Microtubule; Cytoskeleton (Viancour, T.A. (628) 209)

Neural development
Golgi stain; Dendritic branching; Neurotoxicity; Acquired immune deficiency syndrome (AIDS); Peptide T (Hill, J.M. (603) 222)

Cell proliferation; DNA synthesis; G protein; Opioid receptor; Phosphatidylinositol (Barg, J. (629) 109)

Neural graft
Alz-50; β-Amyloid; Neurodegeneration; Neurofibrillary tangle; Plaque; Immunocytochemistry; Hippocampus; Animal model (Stoll, J. (610) 295)

Neural net
Back propagation; Spinal ganglion; Sensory neuron; Cat; Spike analysis; Identified cell (Rose, R.D. (630) 345)

Neural network
Structural equation modeling; Pavlovian conditioning; Auditory learning; Path analysis; Conditioned inhibition; 2-Deoxyglucose; Rat (McIntosh, A.R. (627) 129)

Neural outgrowth
Gastropod; Feeding; Learning; Behavior (Baker, M.W. (623) 311)

Neural plasticity
Estradiol; Progesterone; Synapse; Arcuate nucleus; Hypothalamus (Pérez, J. (608) 38)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neuromodulation (Stanley, B.G. (613) 88)

Kindling; Epilepsy; Amygdala; Piriform cortex; Perirhinal cortex; Rat; Unit (Teskey, G.C. (624) 11)

Neural protection
Neural transplant; Quinolinic acid; Rat; Striatum; Excitotoxicity; Injury response (Pearlman, S. (613) 203)

Neural representation
Artificial selection; Decerebration; Imprinting; Innate preference; Japanese quail (Kovach, J.K. (629) 181)

Neural retina
Neuronal differentiation; Rat brain; Frontal cortex; Immunofluorescence (Yang, G. (615) 71)

Neural transplant
Quinolinic acid; Neural protection; Rat; Striatum; Excitotoxicity; Injury response (Pearlman, S. (613) 203)

Neural transplantation
Heterograft; Suprachiasmatic nucleus; Fetal hypothalamic graft; Fiber outgrowth (Sollars, P.J. (614) 212)

15-Deoxyspergualin; Cross-species; Immunosuppressant; Cytotoxic T cell (Zhou, J. (621) 155)

Co-graft; Adrenal medulla; Pretransected peripheral nerve; Parkinson's disease (Date, I. (624) 233)

Colchicine; Dentate gyrus; Extracellular recording; Evoked field potential; CA1 (Dawe, G.S. (625) 63)

Neurectomy
GABA; Spinal cord; Sciatic nerve; Rat; Plasticity (Castro-Lopes, J.M. (620) 287)

Neurite
Somatomedin; Axon; Nerve growth factor; Insulin-like growth factor II; Sensory ganglia (Fernyhough, P. (607) 117)

Transplantation; Substantia nigra; Brain injury; Fluorescence histochemistry; Kainic acid; Excitotoxic lesion (Takashima, H. (621) 71)

Neurite extension
Interleukin-2; Neuronal survival; Cell culture; Fetal rat brain (Sarder, M. (625) 347)

Neurite outgrowth
Cell adhesion molecule; Substrate; Tyrosine hydroxylase; Dopamine; Cerebrospinal fluid; Trophic factor (Poltorak, M. (619) 255)

Protease inhibitor; Blood coagulation; Amyloid β-protein precursor (Wagner, S.L. (626) 90)

CNS; Retina; Superior colliculus; NGF; Rat (Bosco, A. (632) 303)

Neurite promoting factor
Co-culture; Melanin-concentrating hormone-expressing neuron; Arcuate nucleus; Broca diagonal band; Neurotrophic factor; Glia; Neuron (Compagnone, N. (628) 137)

Neurite transection
Culture; Spinal cord injury; Glucocorticoid; Axotomy; Dendrotomy (Rosenberg-Schaffer, L.J. (605) 327)

Neuritogenesis
Spinal cord; Cat; Onuf's nucleus; Plasticity; Growth-associated protein; Sprouting immunohistochemistry; Motoneuron disease (Nacimiento, W. (613) 80)

Neuroanatomical tracing
Hippocampus; Neocortex; Slice culture (Sørensen, J.C. (608) 338)

Neuroanatomy
Spider nervous system; Octopamine; Immunocytochemistry; High-pressure liquid chromatography; Hemolymph; *Cupiennius salei* (Seyfarth, E.-A. (611) 197)

Neuroaxonal dystrophy
Diabetes; Aging; Sympathetic; Diaphorase; Nitric oxide (Schmidt, R.E. (617) 343)

Neurobiotin
Turtle; Retina; Horizontal cell; Network; Dye coupling; Voronoi–Delaunay tiling; Mosaic (Ammermüller, J. (616) 351)

Neuroblastoma
Differentiation; Neural crest; Neocarzinostatin (Lowengrub, J.A. (613) 123)

Vasoactive intestinal peptide; Autocrine growth factor; Mitogenic factor (Wollman, Y. (624) 339)

GM_3 antibody; Differentiation; cAMP; $pp60^{c\text{-}src}$ (Chakraborty, M. (625) 197)

Neuroblastoma cell
Anticonvulsant; U-54494A; U-83892E; U-83894A; Sodium channel; Patch clamp (Zhu, Y. (606) 50)

Neurochemical compartment
Human; Striatum; Parvalbumin; Immunocytochemistry (Waldvogel, H.J. (610) 311)

Neurodegeneration
Neurotoxicant; *N*-Methylation; Parkinson's disease; Chromatography/mass spectrometry (Matsubara, K. (610) 90)

Neural graft; Alz-50; β-Amyloid; Neurofibrillary tangle; Plaque; Immunocytochemistry; Hippocampus; Animal model (Stoll, J. (610) 295)

Alzheimer's disease; Membrane; Lipid bilayer instability; Critical temperature (Ginsberg, L. (615) 355)

Excitatory amino acid; Glutamate receptor; Primate; Confocal microscopy; Quantitative neuroanatomy (Good, P.F. (624) 347)

Neurodegenerative disease
Alzheimer's disease; Huntington's disease; Dystrophic neurite; Parkinson's disease; Pick's disease (Benzing, W.C. (606) 10)

Neuroendocrine
Glutamate; Immunocytochemistry; Supraoptic nucleus; Vasopressin; Hypothalamus; Rat; Electron microscopy (Meeker, R.B. (600) 112)

Chronobiology; Circadian rhythm; Oscillator coupling; Melatonin; Pineal (Aguilar-Roblero, R. (605) 229)

Neurofibrillary pathology
Alzheimer's disease; Denatured tau polymer filament; Freeze-dried Pt-C replicated neurofibrillay tangle (Ruben, G.C. (601) 1)

Neurofibrillary tangle
Entorhinal cortex; Dorsal raphe nucleus; Double-antigen immunohistochemistry; Hippocampus; Locus coeruleus; Paired helical filament (Duong, T. (603) 74)

Neural graft; Alz-50; β-Amyloid; Neurodegeneration; Plaque; Immunocytochemistry; Hippocampus; Animal model (Stoll, J. (610) 295)

Gerstmann–Sträussler–Scheinker disease; Alzheimer's disease; Paired helical filament; Tau; A68 (Tagliavini, F. (616) 325)

Neurofilament
Lewy body; Parkinson's disease; Diffuse Lewy body disease (Pollanen, M.S. (603) 121)

Axon; Node of Ranvier; Cytoskeleton; Random array; Poisson distribution (Price, R.L. (607) 125)

Primary afferent neuron; Phosphorylation; Immunocytochemistry; Cell profile size; Cat (Perry, M.J. (607) 307)

Anoxia; Axon; Calcium-mediated neuronal injury; Cytoskeleton; Microtubule (Waxman, S.G. (614) 137)

Axonal transport; Cell motility; Cytoskeleton; Polymer (Lasek, R.J. (616) 58)

Mouse; Adrenal; Medulla; Nerve growth factor; Putamen; Dopamine; Phenylethanolamine-*N*-methyl transferase; Immunocytochemistry; Synapse (Jousselin-Hosaja, M. (627) 275)

Ovalbumin; Dorsal root ganglia; Chicken; Immunohistochemistry (Williams, R. (627) 354)

Neurogenesis
Radiation; Developing neuron; Corticospinal tract neuron (Ochiai, H. (603) 129)

Mineralocorticoid receptor; Glucocorticoid receptor; Hippocampus; Adrenal hormone; Thymidine (Cameron, H.A. (611) 342)

Vestibular nucleus; Spinal cord; Bromodeoxyuridine; Fluorescent tracer (Kitao, Y. (620) 149)

Zebra finch; Song system (Sohrabji, F. (620) 335)

Astrocyte; Brain; Culture; Goldfish (Sivron, T. (629) 199)

Neurogenic inflammation
Antidromic stimulation; Nociceptor; C-fiber; Morphine; Naloxone (Shakhanbeh, J. (607) 314)

Capsaicin; Synovial anaphylaxis; Synovial blood flow (Cambridge, H. (618) 238)

Sumatriptan; Migraine; Tachykinin; Trigeminal ganglia; Serotonin; CP-122,288; CP-122,638 (Lee, W.S. (626) 303)

Neuroglia
Cell count; Central nervous system; Mammal; Quantification; Stereology (Bjugn, R. (627) 25)

Neuroglucopenia
2-Deoxyglucose; Intracerebroventricular; Glucose metabolism; Protein metabolism; Insulin; Glucagon; Catecholamine; Dog (Molina, P.E. (614) 99)

Neurohypophysis
Astrocyte; Endocytosis; Immunoelectron microscopy; mRNA transport; Neuron-glia interaction; Neurosecretion; Phagocytosis (Boersma, C.J.C. (611) 117)

Hyponatremia; Lactation; Osmolar stimulus; Oxytocin (Bononi, P.L. (617) 50)

Neuro-immune
Hypothalamic-pituitary-adrenal axis; Mineralocorticoid receptor; Glucocorticoid receptor; Corticosteroid-binding globulin; Stress response; Diurnal rhythm; Rat strain (Dhabhar, F.S. (616) 89)

Neuroimmunology
Cell culture; Microglia/macrophage; Nerve growth factor receptor; S-antigen; Superior cervical sympathectomy (McNulty, J.A. (610) 108)

Epilepsy; Microglia; Free radical; Reactive oxygen intermediate (Müller, M. (619) 157)

Neuroimmunomodulation
Footshock; Conditioning; Locus ceruleus; Ventral lateral medulla; A5; A7; Periaqueductal gray; Nucleus tractus solitarii (Pezzone, M.A. (608) 310)

Neurokinin-1
Neocortex; Long-term potentiation; Substance P; G-protein (Kato, N. (617) 353)

Brain slice; Electrophysiology; Morphology; Sensory system; Taste; Whole-cell recording (King, M.S. (619) 120)

Microdialysis; Acetylcholine; Substance P; Striatum; Basal ganglia (Anderson, J.J. (623) 189)

Spinal cord; In vitro; High threshold ventral root potential; Windup (Thompson, S.W.N. (625) 100)

Neurokinin A
Tachykinin; Neuropeptide K; Neuropeptide Y; Corticosterone; NK-2 agonist (Kalra, P.S. (610) 330)

Substance P; Cardiovascular effect; Behavioral effect; Desensitization; Tachykinin receptor; Central nervous system (Culman, J. (625) 75)

Substance P; Senktide; Phosphoinositol hydrolysis; Hypothalamus; Tachykinin receptor antagonist (Lebrun, C.J. (632) 74)

Neurokinin NK_1 receptor
Defensive rage behavior; Amygdala; Substance P; CP-96,345; Cat; Predatory attack behavior; Hypothalamus (Shaikh, M.B. (625) 283)

Neurolathyrism
BOAA; NBQX; Neurotoxicity; Motor neurone disorder; Excitatory amino acid (Willis, C.L. (627) 55)

Neurolept anesthesia
Spike-wave discharge; Rat; Multiple unit; Thalamus; Cortex; Absence epilepsy (Inoue, M. (612) 35)

Neurological deficit
Neuron-specific enolase; Focal ischemia; Rat; Middle cerebral artery occlusion; Systemic circulation; Cerebral circulation (Barone, F.C. (623) 77)

Neurological mutant mouse
Reeler mutant mouse; Guanine nucleotide-binding protein; Second messenger system (Terashima, T. (601) 136)

Reeler mutant mouse; Facial nucleus; Neuronal migration; Musculotopic representation (Terashima, T. (617) 1)

Neuroma
Ectopic firing; Nerve injury; Pain; Sprouting (Amir, R. (630) 283)

Neuromagnetism
Auditory cortex; 40 Hz; Spontaneous activity; Magnetoencephalography; Human (Tesche, C. (629) 19)

Neuromodulation
Serotonin; Long-term potentiation; Hippocampus; Synaptic transmission; Plasticity (Villani, F. (606) 304)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; Kainic acid; D,L-α-Amino-3-hydroxy-5-methyl-isoxazole propionic acid; *N*-Methyl-D-aspartate acid; Neural plasticity (Stanley, B.G. (613) 88)

Synaptic facilitation; Spike broadening; Synaptic plasticity; Cyclic AMP; Sensitization; Dishabituation (Jarrard, H.E. (616) 188)

Cerebellum; Purkinje cell; Acetylcholine; Muscarinic receptor; Glutamate (Andre, P. (617) 28)

Vagal motoneuron; Autonomic; Medulla; Current clamp; Peptide; Brainstem slice; Potassium current (Livingston, C.A. (621) 97)

Serotonin; Chordotonal organ; Primary afferent terminal; Immunohistochemistry; In vitro preparation; Crayfish (Rossi-Durand, C. (632) 1)

Neuromuscular
Lumbosacral spinal cord; Sexual dimorphism; Testosterone; Motoneuron (Hodges, L.L. (602) 187)

Neuromuscular junction
Flexible microelectrode; Maturation; Diaphragm; Respiratory failure (Bazzy, A.R. (600) 349)

K_{ATP} channel; Diazoxide; Cromakalim; Glibenclamide (Salgado, D. (609) 307)

Transmitter release; Synaptic transmission; Facilitation; Calcium channel; ω-Conotoxin (Zengel, J.E. (611) 25)

Transmitter release; Noise analysis; Catecholamine; Myasthenia gravis; Congenital myasthenic syndrome (Sieb, J.P. (623) 167)

Neuromuscular transmission
Glycerol; Muscle contraction; Transmitter release; Synapse (Sosa, M.A. (621) 17)

Neuron
Cytosolic calcium; Fura-2; NMDA; Resting $[Ca^{2+}]_i$; $\Delta[Ca^{2+}]_i$ (Nakajima, K. (603) 321)

Basic fibroblast growth factor; Cerebral cortex; Ischemia; Immunohistochemistry; Immunoblot; Astrocyte (Kumon, Y. (605) 169)

Ethanol; Dependence; Hippocampus; *N*-Methyl-D-aspartate; Sensitivity (Davidson, M.D. (606) 5)

Acidic fibroblast growth factor; Basic fibroblast growth factor; Huntington's disease; Neostriatum; Astrocyte; Substantia nigra; Globus pallidus (Tooyama, I. (608) 78)

Interleukin-1; Hypothalamus; Pig; Endothelium; Glia (Molenaar, G.J. (608) 169)

Nerve growth factor; Neurotrophic effect; Astrocyte; Mitogen; Central nervous system (Shao, N. (609) 338)

Acidic fibroblast growth factor; Basic fibroblast growth factor; Huntington's disease; Neostriatum; Astrocyte; Substantia nigra; Globus pallidus (Tooyama, I. (610) 1)

Rat; Protein sorting; Virus; Electron microscopy; Polarity (Dotti, C.G. (610) 141)

Evoked potential; Cytochrome; Redox state; Oxygen; 4-Aminopyridine; Glia; Olfactory cortex slice (Saito, T. (612) 9)

pH; Hippocampus; Anion exchange; Acid–base regulation; Development; Cell culture (Raley-Susman, K.M. (614) 308)

Buffer capacity; Astrocyte; Cortical tissue; Direct titration; NH_4^+ method; CO_2 method; Propionate (Katsura, K.-i. (618) 283)

Adenosine triphosphatase; Sodium–potassium; Axonal transport; Axon; Schwann cell; Western blot (Mata, M. (618) 295)

Gliostatin; Neurotrophic factor; Co-culture; Astrocyte; Glial differentiation (Ueki, T. (622) 299)

Neuropeptide Y; Brain; Culture; Glia; Astrocyte; Differentiation (Barnea, A. (625) 313)

N-Methyl-D-aspartate; Calcium; Striatum; Subpopulation (Weiss, S. (627) 63)

Co-culture; Melanin-concentrating hormone-expressing neuron; Arcuate nucleus; Broca diagonal band; Neurotrophic factor; Neurite promoting factor; Glia (Compagnone, N. (628) 137)

Cerebellar granule cell; Dendrite; Energy metabolism; Glucose; Ouabain; Potassium (Peng, L. (629) 331)

Neuronal
Caudate-putamen; Excitotoxic lesion; GABA; Glial; Ibotenic acid; Intrastriatal microdialysis (Campbell, K. (614) 241)

Neuronal activation
Neurotrophin; Immediate early gene; Basal forebrain; Hypothalamus; Auditory system; Posterodorsal tegmental nucleus (Peng, Z.-C. (632) 57)

Neuronal alteration
Fluid percussion; Brain trauma; Lesion volume; Glial activation (Toulmond, S. (620) 24)

Neuronal cell culture
Phosphoinosite metabolism; Brain-derived neurotrophic factor; Neurotrophin-3; K-252b; Basic fibroblast growth factor; Survival (Widmer, H.R. (614) 325)

Neuronal cell line
Retroviral transduction; SV40 large T antigen; Medullary raphe; Differentiation; Neurotrophin; Proto-oncogene trk (Whittemore, S.R. (615) 27)

Neuronal cell survival
Rat cortical neuronal cell culture; Human brain extract; Cerebrospinal fluid; Growth inhibitory factor; Senile dementia of Alzheimer's type (Pauwels, P.J. (610) 8)

Neuronal damage
AMPA; Glucose deprivation; Hippocampal slice; Hypoxia; Kainate (Schurr, A. (614) 10)

Nitric oxide; NMDA; N^G-Nitro-L-arginine; cGMP; Cortex; Cell culture (Hewett, S.J. (625) 337)

Neuronal death
Glutamate; Aspartate; Transport; Excitotoxicity; Ischemia (Anderson, K.J. (622) 93)

Neuronal degeneration
Passive avoidance behavior; Hippocampus; CA1; Chronic ischemic model; Gerbil (Yamamoto, M. (608) 16)

6-Hydroxydopamine; MPTP; BTCP; Dopamine uptake inhibition; Neuroprotection; Morphology paramater (Cerruti, C. (617) 138)

Neuronal density
Nicotine; Pilocarpine; Nucleus basalis lesion; GABA uptake (Sjak-Shie, N.N. (624) 295)

Neuronal differentiation
Rat brain; Frontal cortex; Neural retina; Immunofluorescence (Yang, G. (615) 71)

N-18 Cell; DNA methylation; Choline acetyltransferase; Tyrosine hydroxylase; Retinoic acid; Cyclic AMP (Okuse, K. (626) 225)

Neuronal dynamics
Nucleus tractus solitarii; System modeling; Cardiovascular reflex (Schwaber, J.S. (604) 126)

Neuronal excitability
Morphine; Opiate tolerance; Dependence and withdrawal; Cyclic AMP-dependent protein kinase; Adenylate cyclase; G-protein; Inbred rat strain; Genetic vulnerability (Guitart, X. (611) 7)

Neuronal–glial interaction
Spreading depression; Retina; Müller cell (Fernandes de Lima, V.M. (614) 45)

Neuronal histamine
Feeding suppression; α-Fluoromethylhistidine; Histamine H_3 receptor; Thioperamide (Ookuma, K. (628) 235)

Neuronal induction
Nitric oxide; Glial reaction; Long-term potentiation; Rat (Regidor, J. (631) 171)

Neuronal lesion
Serotonin uptake; Serotonin 5-HT_{1A} receptor; Excitotoxin; Cortex; Hippocampus (Lawrence, J.A. (612) 326)

Neuronal loss
Forebrain ischemia; Chronic survival; Shrinkage; Regional volume; Rat brain (Beck, T. (605) 280)

Neuronal migration
Reeler mutant mouse; Facial nucleus; Musculotopic representation; Neurological mutant mouse (Terashima, T. (617) 1)

Neuronal nicotinic receptor
Thymopentin; Thymopoietin; Noradrenaline release (Afar, R. (606) 346)

Myenteric plexus; Patch clamp; Intracellular free calcium; Indol (Trouslard, J. (624) 103)

Neuronal plasticity
Deafness; Positron emission tomography; Auditory cortex (Catalán-Ahumada, M. (623) 287)

Self-stimulation reward; Hippocampus; Motor cortex; Pyramidal neuron; Dendritic branching (Rao, B.S.S. (627) 216)

Acetylcholine; Pterygopalatine ganglion; Superior cervical ganglionectomy; Superior salivatory nucleus; Superior tarsal muscle (Smith, P.G. (629) 319)

Neuronal rescue
CA1 neuron; Chronic cerebrovascular insufficiency; Hippocampus; Reactive astrocytosis; Cerebral blood flow; Dementia (De la Torre, J.C. (623) 6)

Neuronal subset
Proteoglycan; Glycosaminoglycan; Monoclonal antibody; Perineuronal antigen; Chondroitinase ABC (Sano, S.-i. (630) 65)

Neuronal survival
Interleukin; Lymphokine; Hippocampal neuron; Neurotrophic (Araujo, D.M. (600) 49)

Putrescine; Spermidine; Spermine; Cell culture; Hippocampus; Cerebellum (Abe, K. (605) 322)

Interleukin-2; Neurite extension; Cell culture; Fetal rat brain (Sarder, M. (625) 347)

Neuronal survival factor
Thiol; Short-term dissociated culture (Grill Jr., R.J. (613) 168)

Neuronal tracer
Histology; Tissue dehydration (Kruse, M.N. (613) 352)

Neuron death
Alzheimer's disease; Excitatory amino acid; Fura-2; Hippocampus; Human neuron; Laser microprobe mass spectrometry; Tau; Ubiquitin (Mattson, M.P. (602) 21)

Fibroblast growth factor; Calcium; Excitotoxicity; Hypoglycemia; Nerve growth factor; Nifedipine; Patch clamp (Cheng, B. (607) 275)

Neuron dendrite
Spreading depression; Glutamate receptor; *N*-Methyl-D-aspartate; Hippocampus; CA1; Neuron soma (Herreras, O. (610) 276)

Neuron-glia interaction
Astrocyte; Endocytosis; Immunoelectron microscopy; mRNA transport; Neurohypophysis; Neurosecretion; Phagocytosis (Boersma, C.J.C. (611) 117)

Neuron growth
Self-assembled monolayer; Cultured hippocampal neuron; Surface chemistry; Surface analysis; X-ray photoelectron spectroscopy; Neuron survival (Stenger, D.A. (630) 136)

Neuron injury
Spreading depression; Potassium; Depolarization; Current source density; Hippocampus CA1; Microdialysis (Herreras, O. (617) 194)

Neuron soma
Spreading depression; Glutamate receptor; *N*-Methyl-D-aspartate; Hippocampus; CA1; Neuron dendrite (Herreras, O. (610) 276)

Neuron-specific
Brain rich; Immunocytochemical; Developmental change; Protein 14 kDa; Nerve terminal; Presynapse (Shibayama-Imazu, T. (622) 17)

Neuron-specific β-tubulin isotype
Monoclonal antibody; Immunohistochemistry; Chicken; Ultimobranchial gland; C cell; Nerve fiber (Kameda, Y. (628) 121)

Neuron-specific enolase
Focal ischemia; Neurological deficit; Rat; Middle cerebral artery occlusion; Systemic circulation; Cerebral circulation (Barone, F.C. (623) 77)

Neuron survival
Self-assembled monolayer; Cultured hippocampal neuron; Surface chemistry; Surface analysis; X-ray photoelectron spectroscopy; Neuron growth (Stenger, D.A. (630) 136)

Neuropathic pain
Ketamine; Dextrorphan; NMDA receptor; Hyperalgesia; Spontaneous pain; Nerve injury (Mao, J. (605) 164)

c-*fos*; Axotomy; Peripheral nerve transection; Sprouting (Chi, S.-I. (617) 225)

c-*fos*; Central sensitization; Axotomy; Peripheral nerve transection; Wind-up (Chi, S.-I. (617) 225)

Autotomy; Dynorphin; Nociception; Opioid; Peripheral neuropathy (Wagner, R. (629) 323)

Neuropathology
Glucocorticoid; Blood glucose; Glutathione peroxidase; Catalase; Superoxide dismutase (Tuor, U.I. (604) 165)

Synaptophysin; Synaptic vesicle; Purkinje cell; Occipital cortex; Human brain (Honer, W.G. (609) 9)

Axonal dystrophic neurite; Tau; Paired helical filament; Hippocampal formation; Immunocytochemistry; Alzheimer's disease (Su, J.H. (625) 228)

Fluoro-gold; Neurotoxicity; Axonal tracer (Schmued, L.C. (626) 71)

Neuropathy
Peripheral nerve injury; Pain; Hyperalgesia; Spinal cord; NMDA antagonist; Sciatic nerve (Garrison, C.J. (607) 205)

Hyperalgesia; Morphine; Clonidine; (±)-Baclofen; Carbamazepine (Smith, G.D. (632) 16)

Neuropeptide
Catecholamine; Coexistence; Brain; Immunohistochemistry (Orazzo, C. (600) 39)

Galanin; Receptor antagonist; Receptor binding; Feeding; Behavior; Hypothalamus (Crawley, J.N. (600) 268)

Chromogranin A; Calbindin-D_{28k}; Parvalbumin; SMI-32; Neocortex; Immunohistochemistry (Adams, L.A. (602) 336)

Brainstem; Thalamus; Immunohistochemistry; Retrograde tracing; Rat (Lechner, J. (603) 47)

Glycine; Classical transmitter; Co-localization; Autoradiography; Immunocytochemistry (Watt, C.B. (603) 111)

Ciliary neurotrophic factor; Peripheral nerve; Conduction velocity; Electrophysiology; Rat (Apfel, S.C. (604) 1)

Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; Ontogeny; Circadian; Rat; Hamster; Prenatal; Entrainment (Robinson, M.L. (605) 271)

Non-cholinergic; Transsynaptic; Tyrosine hydroxylase; Secretin; Superior cervical ganglion; Vasoactive intestinal peptide (McKeon, T.W. (607) 345)

Carotid sinus nerve; Tyrosine hydroxylase; Petrosal ganglion; Fluoro-gold; Rat (Ichikawa, H. (611) 67)

In vitro receptor autoradiography; Non-opioid γ-type endorphin; Mesocorticolimbic system; Topography; Anti-idiotypic antibody (Ronken, E. (615) 63)

Classical transmitter; Coexistence; Interplexiform cell; Immunocytochemistry; Autoradiography (Watt, C.B. (617) 131)

Alz-50; Amyloid β-protein; Immunocytochemistry; Paired-helical filament; Pathogenesis; Senile plaque (Benzing, W.C. (619) 55)

Opioid; Enkephalin; Cat; Visual cortex; Monoclonal antibody; Immunohistochemistry (Gu, Q. (620) 155)

Locomotor activity; Reinforcement; Nucleus accumbens; Dopamine (Robledo, P. (622) 105)

AMPA; Brainstem slice; Calcium; CNQX; Magnesium; Voltage-clamp (Alberi, S. (624) 326)

Nerve injury; Dental pulp; Blood flow; Laser Doppler; GAP-43; Neurotrophin receptor; Cat; Immunohistochemistry (Olgart, L. (625) 109)

c-*fos*; Immediate–early gene; Circadian rhythm; Oscillation; Pacemaker (Earnest, D.J. (627) 205)

Immunocytochemistry; Autoradiography; Classical neurotransmitter; Coexistence; Somatostatin; Neurotensin; GABA (Watt, C.B. (628) 349)

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Nervi vasorum; Nervi nervorum; Noradrenaline; Peripheral neuropathy (Lincoln, J. (632) 48)

Neuropeptide K
[^{3}H]Substance P; Rat cerebral cortex; NK-1 receptor; Radioligand binding; Substance P receptor (Geraghty, D.P. (601) 34)

Tachykinin; Neurokinin A; Neuropeptide Y; Corticosterone; NK-2 agonist (Kalra, P.S. (610) 330)

Neuropeptide Y
Noradrenaline; Coexistence; Synaptic inputs; Nucleus preopticus medianus; Paraventricular hypothalamic nucleus; Retrograde tracing; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Feeding behavior; Paraventricular nucleus; Anti-NPY γ-globulin; Immunoneutralization; Arcuate nucleus (Shibasaki, T. (601) 313)

Immunocytochemistry; Spinal cord; Cat; Ultrastructure; Axo-axonic synapse (Doyle, C.A. (603) 157)

Insular lobe; Monkey; Immunocytochemistry; Cerebral cortex; Non-human primate (Augustine, J.R. (603) 255)

Eating behavior; Hypothalamus; Mapping; Perifornical hypothalamus; Nanoliter injection (Stanley, B.G. (604) 304)

Tachykinin; Neuropeptide K; Neurokinin A; Corticosterone; NK-2 agonist (Kalra, P.S. (610) 330)

Corticotropin-releasing factor; Feeding; Paraventricular nucleus; Ventromedial hypothalamus; Dexamethasone; α-Helical CRF_{9-41}; Rat (Heinrichs, S.C. (611) 18)

Suprachiasmatic nucleus; Circadian rhythm; Phase response curve; Retinohypothalamic tract; Single unit; Geniculohypothalamic tract (Shibata, S. (615) 95)

Monoclonal antibody to CRF; Paraventricular nucleus; Ventromedial hypothalamus; Ricin A chain; Corticotropin-releasing factor radioimmunoassay; Food intake; Dexamethasone (Menzaghi, F. (618) 76)

Cytoarchitecture; Immunocytochemistry; Intergeniculate leaflet (Laemle, L.K. (618) 352)

Suprachiasmatic nucleus; Circadian rhythm; Pacemaker; Brain slice; Intergeniculate leaflet; Rat (Medanic, M. (620) 281)

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Tyrosine hydroxylase; Cold stress; Sympathetic nerve; Aging; Superior cervical ganglion (Andrews, T. (624) 69)

Aging; Noradrenaline; α-Adrenoceptor; Brainstem; Hypothalamus (Huguet, F. (625) 256)

Brain; Culture; Glia; Astrocyte; Neuron; Differentiation (Barnea, A. (625) 313)

Eating; Feeding; Dopamine; Amphetamine; Hypothalamus; Perifornical hypothalamus; Neurotransmitter interactions (Gillard, E.R. (628) 128)

Norbinaltorphimine; Feeding; Intracerebroventricular; Rat (Lambert, P.D. (629) 146)

Autoradiography; Y_1-type receptor; Y_2-type receptor; Human brain; Rat brain (Widdowson, P.S. (631) 27)

Carbohydrate; Arcuate nucleus; Macronutrient; Paraventricular nucleus; Dorsomedial nucleus; Body weight; Feeding (Jhanwar-Uniyal, M. (631) 97)

NPY receptor; [Leu^{31},Pro^{34}]NPY; NPY 20–36; Discriminative stimulus; Drug discrimination; Food intake (Jewett, D.C. (631) 129)

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Neuropeptide Y_1 receptor
NPY(1–36); NPY(13–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_2 receptor; Microinjection; Nucleus tractus solitarii; Cardiovascular (Yang, S.-N. (621) 126)

Neuropeptide Y_2 receptor
NPY(1–36); NPY(13–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_1 receptor; Microinjection; Nucleus tractus solitarii; Cardiovascular (Yang, S.-N. (621) 126)

Neuropeptide Y_1 receptor agonist
NPY(1–36); NPY(13–36); Neuropeptide Y_1 receptor; Neuropeptide Y_2 receptor; Microinjection; Nucleus tractus solitarii; Cardiovascular (Yang, S.-N. (621) 126)

Neurophysiology
Suprachiasmatic nucleus; Melatonin; Constant light; Light–dark cycle; Pineal gland; Circadian rhythm (Yu, G.-D. (602) 191)

Suprachiasmatic nucleus; Hamster; Melatonin; Pineal gland; Circadian rhythm (Rusak, B. (602) 200)

Neuroplasticity
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Neuroprotection
Cerebral ischemia; Prostaglandin B_1; Di-Calciphor; Calpain (Lin, R.C.S. (606) 130)

NMDA receptor; Excitotoxicity; Dizocilpine (Munir, M. (616) 163)

6-Hydroxydopamine; MPTP; Neuronal degeneration; BTCP; Dopamine uptake inhibition; Morphology paramater (Cerruti, C. (617) 138)

κ_1 Opioid agonist; Cerebral ischemia; CI-977; Glutamate; Gyrencephalic (Mackay, K.B. (618) 213)

Brain trauma; Eliprodil; NMDA receptor (Toulmond, S. (620) 32)

Substance P; Dopamine receptor; Striatum; Excitotoxin; Trophic factor (Sanberg, P.R. (628) 327)

Focal cerebral ischemia; Kappa-1 opioid agonist; Cerebral blood flow (Mackay, K.B. (629) 10)

Cerebral ischemia; Serotonin; Serotonin 5-HT_{1A} agonist; Serotonin 5-HT_2 antagonist; Cultured neuron; Chemical hypoxia; Glutamate (Prehn, J.H.M. (630) 10)

Hippocampus; In vitro; Epilepsy; Lactate; Depolarization; Energy (Stittsworth Jr., J.D. (630) 21)

Neurosecretion
Astrocyte; Endocytosis; Immunoelectron microscopy; mRNA transport; Neurohypophysis; Neuron-glia interaction; Phagocytosis (Boersma, C.J.C. (611) 117)

NPY; Axonal reticulum; Axonal transport; Sympathetic neuron; Immunocytochemistry; Large dense-cored vesicle (Quatacker, J. (627) 249)

Neurosecretory cell
A1 cell group; Noradrenergic neuron; Purinergic transmission; Supraoptic nucleus; Vasopressin (Day, T.A. (607) 341)

Electrotonic coupling; Dye coupling; Crustacean (Alvarado-Alvarez, R. (613) 43)

A1 noradrenergic cell group; Vasopressin cell; Supraoptic nucleus; α_2-Adrenoceptor; Presynaptic receptor (Khanna, S. (613) 164)

Neurostereology
Cerebellum; Cell number; Disector; Rat; Stereology; Toluene; Vertical section (Korbo, L. (609) 262)

Neurosteroid
Memory; Place recognition task; Nucleus basalis magnocellularis; Rat (Mayo, W. (607) 324)

Pregnenolone; Human sleep; Electroencephalography; Hormone secretion (Steiger, A. (615) 267)

Neurotensin
Substance P; Met-enkephalin; Descending inhibition; Formalin test; Immunocytochemistry; Rat (Zhang, R.X. (603) 162)

Inflammation; Mononeuropathy; Hyperalgesia; Arthritis; Periaqueductal gray; Nucleus cuneiformis (Williams, F.G. (611) 87)

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Acetylcholine; Synthesis; Functional recovery (Lapchak, P.A. (613) 239)

Aging; Striatum; Nucleus accumbens; Haloperidol; Dopamine receptor; Fischer 344; In situ hybridization (Dobie, D.J. (616) 105)

Brain stimulation reward; Dopamine; GBR 12909; Quinpirole; Mesencephalon (Rompré, P.-P. (616) 154)

Aging; Cholinergic; Dementia; Immunocytochemistry; Somatostatin; Substance P (Benzing, W.C. (625) 125)

Immunocytochemistry; Autoradiography; Neuropeptide; Classical neurotransmitter; Coexistence; Somatostatin; GABA (Watt, C.B. (628) 349)

Long sleep (LS) mouse; Short sleep (SS) mouse; Ethanol; Phosphoinositide hydrolysis (Erwin, V.G. (629) 59)

Neurotoxicant
Neurodegeneration; *N*-Methylation; Parkinson's disease; Chromatography/mass spectrometry (Matsubara, K. (610) 90)

Neurotoxicity
Cysteate; Cysteine; Glucose deprivation; Hypoxia; *N*-Methyl-D-aspartate receptor subset (Schurr, A. (601) 317)

Calcium; Corticosterone; Glucocorticoid; Stress; Hippocampus (Elliott, E.M. (602) 84)

Acrylamide; MAP; Striatum; Substantia nigra; Extrapyramidal system (Chauhan, N.B. (602) 111)

Calcium; Amphetamine; Glutamate; Anticonvulsant; Voltage-sensitive channel (Finnegan, K.T. (603) 134)

Golgi stain; Dendritic branching; Neural development; Acquired immune deficiency syndrome (AIDS); Peptide T (Hill, J.M. (603) 222)

Zinc; Kainic acid; Hippocampus; Seizure; Rat; Morphometry (Nave, J.M. (604) 298)

Calcium; Fura-2; Trypan blue; Ethidium homodimer (Tymianski, M. (607) 319)

Ischemia; Cysteine; Glutathione; Hippocampus; Striatum (Slivka, A. (608) 33)

Acrylamide; Nerve cell; Schwann cell; Electron probe X-ray microanalysis; Element; Axon (LoPachin, R.M. (608) 238)

Acrylamide; c-*fos*; c-*jun*; mRNA; Chemical injury (Endo, H. (609) 231)

Amantadine; Memantine; Glutamate; *N*-Methyl-D-amphetamine neuron; Excitotoxicity (Weller, M. (613) 143)

Heat shock protein 72 kDa; Immunocytochemistry; Seizure (Goodman, J.H. (616) 263)

Serotonergic axon; Brainstem nucleus; Methylenedioxyamphetamine; Immunocytochemistry; Rat (Harvey, J.A. (619) 1)

Alzheimer's disease; Fura-2; Glutamate; Hippocampus; Nerve growth factor (Mattson, M.P. (621) 35)

Cortical neuron; Culture; Glutamate uptake (Sass, J.B. (621) 207)

Microdialysis; Caudate-putamen; L-DOPA; Sinemet; Methamphetamine (Weihmuller, F.B. (623) 303)

Glial fibrillary acidic protein; Microglia; Paroxetine; Immunoblot; 5,7-Dihydroxytryptamine (Rowland, N.E. (624) 35)

Substance P; Kainic acid; Excitatory amino acid; Wet dog shake; Epilepsy (Velázquez, R.A. (624) 109)

Methamphetamine; Dopamine; Dihydroxyphenyacetic acid; Glycine; MK-801 (Layer, R.T. (625) 38)

Fluoro-gold; Axonal tracer; Neuropathology (Schmued, L.C. (626) 71)

D-Amphetamine; Iprindole; Dopamine; Glutamate; In vivo microdialysis (Nash, J.F. (627) 1)

BOAA; NBQX; Neurolathyrism; Motor neurone disorder; Excitatory amino acid (Willis, C.L. (627) 55)

Reaction time; Methamphetamine; Dopamine; Serotonin (Richards, J.B. (627) 254)

NMDA; Glutamate; AIDS; D-Aspartate β-hydroxamate; Memantine; DFMO; Antitumor (Lockhart, B.P. (630) 32)

Recombinant human nerve growth factor; Glutamate; Culture; Protection (Shimohama, S. (632) 296)

Neurotoxin
Dopamine; 6-Hydroxydopamine; 6-Hydroxydopa; MPTP; HPLC; Prolactin (Lin, J.-Y. (624) 126)

Funnel web spider; *Hadronyche versutus*; Versutoxin; Synaptic potential; Locus coeruleus; Laterodorsal tegmental nucleus; Trigeminal nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

DSP-4; Locus coeruleus; Noradrenergic neuron; Electrophysiology; Ca^{2+} spike (Magnuson, D.S.K. (628) 317)

Neurotransmitter
Action potential; Anoxia; Bicuculline; γ-Aminobutyric acid; Ischemia; Myeli; Receptor; Spinal cord injury (Lee, M. (601) 14)

L-Glutamate; Intra-axonal staining; Immunogold reaction; Primary afferent axon (Maxwell, D.J. (606) 156)

GABA; Immunohistochemistry; Cephalopod; Mollusc (Cornwell, C.J. (621) 353)

Neurotransmitter expression
Trophic agent; Cytokine; Autonomic nervous system (Freidin, M. (615) 135)

Neurotransmitter interactions
Eating; Feeding; Neuropeptide Y; Dopamine; Amphetamine; Hypothalamus; Perifornical hypothalamus (Gillard, E.R. (628) 128)

Neurotransmitter receptor
Glycine receptor; Cerebral cortex; Inhibition; Strychnine (Becker, C.-M. (606) 220)

Neurotransmitter release
Slice; Synapsin I; Pseudosubstrate peptide; In situ phosphorylation (Waxham, M.N. (609) 1)

Calcium channel; Hippocampus; ω-Conotoxin; γ-Aminobutyric acid; Glutamate; G-protein (Potier, B. (616) 236)

Calcium channel; *R*-Prolinol; Ethanolamine; Diltiazem (Bostwick, J.R. (629) 79)

Neurotransmitter releaser
Acetylcholine; Alzheimer's disease; Cerebral glucose metabolism; Cognitive enhancer; 2-Deoxy-D-[1-^{14}C]glucose (Dent, G.W. (620) 7)

Neurotrophic
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Nerve growth factor; Fibroblast growth factor; Brain injury; Human; Enzyme-linked immunoassay; PC12 (Patterson, S.L. (605) 43)

Neurotrophic effect
Nerve growth factor; Neuron; Astrocyte; Mitogen; Central nervous system (Shao, N. (609) 338)

Neurotrophic factor
Rat visual system; Axotomy; Degeneration; Fluorescent dye (Mey, J. (602) 304)

Granulocyte colony-stimulating factor; Macrophage colony-stimulating factor; Erythropoietin; Erythroid differentiation factor; Hematopoietic factor; Cholinergic neuron (Konishi, Y. (609) 29)

Gliostatin; Co-culture; Neuron; Astrocyte; Glial differentiation (Ueki, T. (622) 299)

Co-culture; Melanin-concentrating hormone-expressing neuron; Arcuate nucleus; Broca diagonal band; Neurite promoting factor; Glia; Neuron (Compagnone, N. (628) 137)

Neurotrophin-3
Phosphoinosite metabolism; Neuronal cell culture; Brain-derived neurotrophic factor; K-252b; Basic fibroblast growth factor; Survival (Widmer, H.R. (614) 325)

Retroviral transduction; SV40 large T antigen; Neuronal cell line; Medullary raphe; Differentiation; Proto-oncogene trk (Whittemore, S.R. (615) 27)

Motor neuron disease; Alpha motoneuron; Degeneration; Trk; In situ hybridization (Seeburger, J.L. (621) 111)

Kidney; Sensory neuron; Neurotrophin; Immunohistochemistry; Liver; Rat (Zhou, X.-F. (621) 189)

Kidney; Sensory neuron; Neurotrophin-3; Immunohistochemistry; Liver; Rat (Zhou, X.-F. (621) 189)

TrkB; Brain; Immunohistochemistry; Brain derived-neurotrophic factor; Rat (Zhou, X.-F. (622) 63)

Immediate early gene; Neuronal activation; Basal forebrain; Hypothalamus; Auditory system; Posterodorsal tegmental nucleus (Peng, Z.-C. (632) 57)

Neurotrophin receptor
Nerve injury; Dental pulp; Blood flow; Laser Doppler; Neuropeptide; GAP-43; Cat; Immunohistochemistry (Olgart, L. (625) 109)

Neurotropism
Peripheral nerve; Conduit; Nerve graft; Nerve regeneration (Maeda, T. (618) 196)

Neutral endopeptidase 24.11
Transplantation; Glial fibrillary acidic protein; Cortex; Ventral mesencephalon; CALLA; Enkephalinase; Transforming growth factor α (Back, S.A. (612) 85)

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Edema; Inflammation; Rat; Sigma receptor; Spinal cord injury; Vascular permeability (Qu, Z.-X. (626) 45)

Newborn
Benzodiazepine (ω) modulatory site subtype; Autoradiographic distribution; Adult; Rat; Central nervous system (Benavides, J. (604) 240)

Newborn rat
cAMP; Respiratory rhythm; Pre-I neuron; Rostral ventrolateral medulla; in vitro (Arata, A. (605) 193)

Purkinje cell; Recurrent collateral; Inhibition; Cerebellum; System analysis; Cooperativity; Entropy (Bernard, C. (626) 234)

NG108-15
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NGF
CNS; Retina; Superior colliculus; Neurite outgrowth; Rat (Bosco, A. (632) 303)

NGFI-A
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Retina; Immediate-early gene; Cholinergic receptor; Glutamate receptor; Dopamine receptor; *c-fos* (Gudehithlu, K.P. (631) 77)

NH_4^+ method
Buffer capacity; Neuron; Astrocyte; Cortical tissue; Direct titration; CO_2 method; Propionate (Katsura, K.-i. (618) 283)

Nicardipine
Rat; Frontal cortex; Dissociated neuron; Perforated patch; Ca^{2+} current; Ca^{2+} antagonist; ω-Conotoxin (Ye, J.H. (606) 111)

Nicotinamide-adenine dinucleotide phosphate diaphorase
Aqueous humor; Ciliary process; Nitric oxide synthetase; Retina (Osborne, N.N. (610) 194)

Basal ganglia; Calcium-binding protein; Calbindin-D28k; Co-localization (Bennett, B.D. (610) 305)

Acetylcholinesterase; Medial thalamus; Ascending cholinergic reticular system; Nitric oxide; Histochemistry (Mengual, E. (625) 165)

Nicotine
Nicotinic cholinergic receptor; Human brain; Cytisine; Receptor binding (Hall, M. (600) 127)

Cotinine; Nicotinic cholinergic receptor; Vestibular system; Vestibular efferent; Response threshold; Chick (Roll, R.L. (604) 260)

Nucleus basalis magnocellularis; 2-Deoxy-D-glucose; Cholinergic system; Arecoline; Physostigmine; Rat (De Micheli, E. (615) 80)

Acetylcholine receptor; Carbachol; α-Bungarotoxin; Taste (Liu, L. (617) 37)

Serotonin; Microdialysis; Frontal Cortex (Ribeiro, E.B. (621) 311)

Serotonin; Water maze; Passive avoidance; Dose–response; Alzheimer's disease (Riekkinen, M. (622) 139)

Opioid; Mesolimbic dopamine neuron; In vivo brain dialysis (Yoshida, M. (624) 277)

Pilocarpine; Nucleus basalis lesion; Neuronal density; GABA uptake (Sjak-Shie, N.N. (624) 295)

Spike wave discharge; High voltage spindle; High-voltage spindle; Mecamylamine; Cotinine; Rat; EEG (Radek, R.J. (625) 23)

Nicotine binding site
Plasma nicotine; Osmotic minipump; Striatum; Cortex; Hippocampus (Sanderson, E.M. (617) 349)

Nicotinic
Acetylcholine; Aging; 2-Deoxyglucose; Brain slice; AF64A; Cerebral cortex; Hippocampus; Muscarinic (Shibata, S. (603) 248)

Nicotinic cholinergic receptor
Human brain; Cytisine; Nicotine; Receptor binding (Hall, M. (600) 127)

Nicotine; Cotinine; Vestibular system; Vestibular efferent; Response threshold; Chick (Roll, R.L. (604) 260)

Nicotinic receptor
Chronic alcoholism; Cholinergic mechanism; Muscarinic receptor subtype; Human brain; G-protein coupling; Choline acetyltransferase (Hellström-Lindahl, E. (620) 42)

Enkephalin; Acetylcholine; Retina; Chick; Release; Atropine; Tubocurarine (Boelen, M.K. (624) 137)

Acetylcholine receptor; Hypothalamus; Immunocytochemistry; Rat (Okuda, H. (625) 145)

Nictitating membrane
Classical conditioning; Cerebellar cortex; Learning; Retention; Rabbit; Cerebellum; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

Nictitating membrane response
Long-term depression; Cerebellum; Purkinje cell; Rabbit; Slice (Schreurs, B.G. (631) 235)

Nifedipine
Fibroblast growth factor; Calcium; Excitotoxicity; Hypoglycemia; Nerve growth factor; Neuron death; Patch clamp (Cheng, B. (607) 275)

Oxotremorine; Physostigmine; Nociception; Mouse (Pavone, F. (623) 308)

Calcium channel; Calcium antagonist; Bay K 8644; Vestibular nucleus (Sansom, A.J. (630) 349)

Nigrostriatal
Opioid peptide; Ultrastructure; Exocytosis; Mesolimbic; κ Opioid receptor; Dense core vesicle (Pickel, V.M. (602) 275)

Cocaine; Time–course; Regional cerebral blood flow; Autoradiography; Mesolimbic (Stein, E.A. (626) 117)

Nigrotectal neuron
γ-Aminobutyric acid; Substantia nigra; Dopamine; Double labeling; Immunohistochemistry; Glutamic acid decarboxylase; Tyrosine hydroxylase (Mendez, I. (617) 274)

Nimodipine
Acetylcholine; Choline; Hypoxia; Altitude; Microdialysis (Shukitt-Hale, B. (621) 291)

Nissl body
γ-Motoneuron; Axotomy; Ultrastructure (Johnson, I.P. (631) 337)

Nitecapone
Fluorodihydroxyphenylalanine; Positron emission tomography; Catecholamine metabolism; Catechol-*O*-methyltransferase; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Hemiparkinsonism (Miletich, R.S. (626) 1)

Nitrazepam
Benzodiazepine receptor; Diazepam; Clonazepam; Ro5-4864; Calcium channel (Watabe, S. (606) 244)

Nitrendipine
Retina cell; γ-Aminobutyric acid release; Glutamate; Calcium; ω-Conotoxin GVIA; NNC-711 (Duarte, C.B. (611) 130)

Nitric oxide
L-Arginine; Nitroprusside; Molsidomine; Nitric oxide synthase; Corticotropin-releasing hormone; Interleukin; Hypothalamus (Costa, A. (605) 187)

Long-term potentiation; Dentate gyrus; Anesthetized rat (Mizutani, A. (605) 309)

NADPH diaphorase; Rhizotomy; Lumbar spinal cord; Primary afferent; Sacral parasympathetic nucleus (Vizzard, M.A. (607) 349)

Spinal cord; Dorsal horn; Lamina X; Nociception; c-*fos* (Lee, J.-H. (608) 324)

Muscarinic receptor; Cyclic GMP; Carbachol; Cortical cell culture; Nitric oxide synthase inhibitor (Castoldi, A.F. (610) 57)

Endothelium-derived relaxing factor; *N*-Nitro-L-arginine methyl ester; Cerebral blood flow; Hypoxia; Hypercapnia; Hypotension (Buchanan, J.E. (610) 248)

Central gray; Brainstem; Longitudinal column; Antinociception (Onstott, D. (610) 317)

Glutamate; Epilepsy; DBA/2 mouse; Cortical slice (Rowley, H.L. (613) 49)

Antinociception; Opioid system; Inbred and outbred mouse strains (Quock, R.M. (614) 52)

In vivo spin-trapping; Cryogenic electron paramagnetic resonance; Focal ischemia; Endothelium-derived relaxing factor; Nitric oxide synthase inhibitor (Tominaga, T. (614) 342)

Diabetes; Aging; Sympathetic; Neuroaxonal dystrophy; Diaphorase (Schmidt, R.E. (617) 343)

Regional cerebral blood flow; Spreading cortical depression; Endothelium-derived relaxing factor; Rat (Duckrow, R.B. (618) 190)

Learning and memory; Amnesia; Chick; Passive avoidance (Hölscher, C. (619) 189)

Arginine; NADPH diaphorase; Citrulline; cGMP; Dorsal root ganglion; Enteric plexus; Histochemistry (Aoki, E. (620) 142)

U-50,488H; Tolerance (Thorat, S.N. (621) 171)

Nitric oxide synthase; NADPH-diaphorase; L-Nitro arginine; Carotid body; Hypoxia (Prabhakar, N.R. (625) 16)

Acetylcholinesterase; Medial thalamus; Ascending cholinergic reticular system; Histochemistry; Nicotinamide-adenine dinucleotide phosphate diaphorase (Mengual, E. (625) 165)

In situ hybridization; Paraventricular nucleus (Ceccatelli, S. (625) 177)

NMDA; N^G-Nitro-L-arginine; cGMP; Neuronal damage; Cortex; Cell culture (Hewett, S.J. (625) 337)

Glutamate antagonist; Excitotoxicity (Fujisawa, H. (629) 73)

Cerebral vascular resistance; Anesthetic; Inhalational; Isoflurane; Hemorrhage; Vasodilator (Chi, O.Z. (630) 214)

Neuronal induction; Glial reaction; Long-term potentiation; Rat (Regidor, J. (631) 171)

N^G-Nitro-L-arginine methyl ester (L-NAME); Hippocampus; Working memory; Reference memory; Rat (Ohno, M. (632) 36)

Nitric oxide synthase
Phenylethanolamine *N*-methyltransferase; Intermediolateral column; Ventral medullary surface; Double labelling (Iadecola, C. (603) 173)

Nitric oxide; L-Arginine; Nitroprusside; Molsidomine; Corticotropin-releasing hormone; Interleukin; Hypothalamus (Costa, A. (605) 187)

Interleukin-1; Tumor necrosis factor; Astrocytoma cell; Guanylate cyclase (Vigne, P. (606) 332)

Aqueous humor; Ciliary process; Nicotinamide-adenine dinucleotide phosphate diaphorase; Retina (Osborne, N.N. (610) 194)

Olfactory memory; Accessory olfactory bulb; L-N^G-Nitroarginine; Mouse (Brennan, P.A. (619) 306)

Soluble guanylyl cyclase; cGMP; Calmodulin; Locust; *Schistocerca gregaria* (Elphick, M.R. (619) 344)

Cortical area V1; Immunocytochemistry; Cytochrome oxidase; Activity dependence; Electron microscopy (Aoki, C. (620) 97)

Nitric oxide; NADPH-diaphorase; L-Nitro arginine; Carotid body; Hypoxia (Prabhakar, N.R. (625) 16)

Canine artery; Immunohistochemistry; Nitroxidergic innervation; Vasodilator nerve (Yoshida, K. (629) 67)

Retina; Optic nerve; Pterygopalatine ganglion; Denervation; Rat (Yamamoto, R. (631) 83)

Nitric oxide synthase inhibitor
Muscarinic receptor; Cyclic GMP; Nitric oxide; Carbachol; Cortical cell culture (Castoldi, A.F. (610) 57)

Nitric oxide; In vivo spin-trapping; Cryogenic electron paramagnetic resonance; Focal ischemia; Endothelium-derived relaxing factor (Tominaga, T. (614) 342)

Nitroarginine
Cultured neuron; Intracellular calcium; Glutamate; Hemoglobin; Cyclic GMP (Tanaka, T. (631) 72)

L-Nitro arginine
Nitric oxide; Nitric oxide synthase; NADPH-diaphorase; Carotid body; Hypoxia (Prabhakar, N.R. (625) 16)

L-N^G-Nitroarginine
Olfactory memory; Accessory olfactory bulb; Nitric oxide synthase; Mouse (Brennan, P.A. (619) 306)

Nitrobenzylthioinosine
Adenosine release; Spinal cord; Nucleoside carrier; Dipyridamole; Morphine (Sweeney, M.I. (614) 301)

N^G-Nitro-L-arginine
Nitric oxide; NMDA; cGMP; Neuronal damage; Cortex; Cell culture (Hewett, S.J. (625) 337)

***N*-Nitro-L-arginine methyl ester**
Nitric oxide; Endothelium-derived relaxing factor; Cerebral blood flow; Hypoxia; Hypercapnia; Hypotension (Buchanan, J.E. (610) 248)

N^G-Nitro-L-arginine methyl ester (L-NAME)
Nitric oxide (NO); Hippocampus; Working memory; Reference memory; Rat (Ohno, M. (632) 36)

Nitroprusside
Nitric oxide; L-Arginine; Molsidomine; Nitric oxide synthase; Corticotropin-releasing hormone; Interleukin; Hypothalamus (Costa, A. (605) 187)

Nitroxidergic innervation
Nitric oxide synthase; Canine artery; Immunohistochemistry; Vasodilator nerve (Yoshida, K. (629) 67)

NK-2 agonist
Tachykinin; Neuropeptide K; Neurokinin A; Neuropeptide Y; Corticosterone (Kalra, P.S. (610) 330)

NK-1 receptor
[^{3}H]Substance P; Rat cerebral cortex; Neuropeptide K; Radioligand binding; Substance P receptor (Geraghty, D.P. (601) 34)

Substance P; Acetylcholine; Dopamine; Microdialysis; Rat; Striatum (Guevara Guzman, R. (622) 147)

NMDA
Cytosolic calcium; Fura-2; Neuron; Resting $[Ca^{2+}]_i$; $\Delta[Ca^{2+}]_i$ (Nakajima, K. (603) 321)

Brainstem; Non-NMDA; Patch clamp; Whole cell (Zidichouski, J.A. (611) 313)

Glycine site; MK-801; ACEA-1011; Formalin pain (Vaccarino, A.L. (615) 331)

CA1; Synaptic activation; Antidromic; Firing blockade; Axon–soma transmission; In situ (Herreras, O. (616) 330)

t-ACPD; AMPA; AP-7; Blood pressure; DNQX; Heart rate; Kainate; Respiration; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

Neonatal rat; Brain damage; Excitotoxicity; Diffusion; Magnetic resonance imaging (Verheul, H.B. (618) 203)

Excitatory amino acid; Excitotoxicity; 7-Chlorokynurenic acid; CGS 19755 (Lehmann, J.C. (620) 1)

Nucleus tractus solitarii; Spermidine; Polyamine; Cardiovascular (Ohta, H. (620) 72)

Phencyclidine-like; Polyamine; Glutamate; Glycine; Cannabinoid; $^{45}Ca^{2+}$ influx (Nadler, V. (622) 79)

Amino acid; Brainstem; Startle; Pontis caudalis (Miserendino, M.J.D. (623) 215)

Aminooxyacetic acid; Energy metabolism; Excitotoxicity; Glutamate; Metabotropic; Neonatal rat brain (McDonald, J.W. (624) 239)

Trypsin; Hippocampal slice; Epileptiform (Yamada, N. (624) 336)

Glutamate; GABA; Dizocilpine; Excitotoxicity; Excitatory amino acid; Ischemia (Sakurai, S.Y. (625) 181)

Nitric oxide; N^G-Nitro-L-arginine; cGMP; Neuronal damage; Cortex; Cell culture (Hewett, S.J. (625) 337)

AMPA; AP-7; Blood pressure; DNQX; Epinephrine; Glutamate; Heart rate; Kainate; Mesenteric artery; Prazosin; Rat (Malhotra, V. (626) 278)

Opiate tolerance; MK-801; Spinal cord; Antinociception; Tail flick test (Gutstein, H.B. (626) 332)

Fast inhibitory postsynaptic potential; Slow inhibitory postsynaptic potential; GABA; Magnesium; Glutamate; Cerebral cortex (Benardo, L.S. (627) 314)

Kainic acid; AMPA; Quisqualic acid; Excitotoxin; Non-NMDA glutamate antagonist; NBQX; Hippocampus (Lees, G.J. (628) 1)

Dopamine release; $GABA_B$; AMPA; Kainate; Baclofen (Santiago, M. (628) 187)

Neurotoxicity; Glutamate; AIDS; D-Aspartate β-hydroxamate; Memantine; DFMO; Anti-tumor (Lockhart, B.P. (630) 32)

Eating; Feeding; Lateral hypothalamus; Hypothalamus; Excitatory amino acid; Glutamate; KA; AMPA (Stanley, B.G. (630) 41)

NMDA antagonist
Peripheral nerve injury; Pain; Hyperalgesia; Spinal cord; Sciatic nerve; Neuropathy (Garrison, C.J. (607) 205)

Rat; Awake animal; Tooth pulp afferent; Glutamate; Trigeminal sensory complex; Microinfusion (Boucher, Y. (614) 155)

Immediate early gene; Transynaptic induction; Sciatic nerve (Cameron, A.A. (620) 64)

NMDA domain
N-Methyl-D-aspartate; Brain ischemia; Initial association rate; Glycine domain; Non-NMDA receptor (Yoneda, Y. (613) 21)

NMDA receptor
Lead; Learning; Repeated acquisition; Performance; MK-801; Dizocilpine (Cohn, J. (600) 208)

Isolated brain in vitro; Entorhinal cortex; Long-term potentiation (De Curtis, M. (600) 327)

Long-term potentiation; Hippocampus; Excitatory postsynaptic potential (Lin, J.-H. (603) 117)

Ketamine; Dextrorphan; Hyperalgesia; Spontaneous pain; Neuropathic pain; Nerve injury (Mao, J. (605) 164)

Antidepressant; Adenylyl cyclase; β-Adrenoceptor; Dopamine receptor; MK-801; Quinpirole (De Montis, M.G. (606) 63)

Tuberoinfundibular dopaminergic neuron; Estrogen; Prolactin; Median eminence; Sex difference (Wagner, E.J. (611) 139)

Dopamine; Locomotion; Drug of abuse (Wolf, M.E. (613) 291)

Human brain; Glutamate; MK-801; Depression; Suicide (Holemans, S. (616) 138)

Excitotoxicity; Dizocilpine; Neuroprotection (Munir, M. (616) 163)

Hippocampal slice; Hypoxia; Kainate/AMPA receptor; Potentiation of neuronal damage; Quinolinate (Schurr, A. (617) 76)

Brain trauma; Eliprodil; Neuroprotection (Toulmond, S. (620) 32)

High pressure neurological syndrome; Primate; CGP 39551; EEG; Behavioral observation (Pearce, P.C. (622) 177)

NMDA receptor antagonist
Delayed neuronal death; Calcium; Gerbil; Microtubule-associated protein 2; Cerebral ischemia (Nakamura, K. (613) 181)

Competitive; Non-competitive; Hot-plate; Intracerebroventricular; Intrathecal; Intraperitoneal; Interaction (Näsström, J. (623) 47)

NMDA recognition domain
N-Methyl-D-aspartate; Multiplicity; Antagonist-preferring form; [^{3}H]CGP 39653 binding; [^{3}H]Glu binding (Pingping, Z. (609) 253)

N-methyl-D-aspartate receptor
Cerebellar granule cell culture; 1-Aminocyclopropanecarboxylic acid; Desensitization neurotoxicity; HA-966 (Boje, K.M. (603) 207)

NNC-711
Retina cell; γ-Aminobutyric acid release; Glutamate; Calcium; Nitrendipine; ω-Conotoxin GVIA (Duarte, C.B. (611) 130)

Nociception
Nucleus raphe magnus; Pain; Serotonin; Sensory trigeminal nucleus; Spinal cord; Rat (Li, Y.-Q. (602) 331)

Cerebellum; Climbing fiber; Conditioning; Face; Inferior olive; Opiate (Weiss, C. (605) 207)

Pain; Rostroventral medulla; Caudal ventrolateral medulla; Descending pathway (Murphy, A.Z. (606) 68)

Immunocytochemistry; Immediate-early gene; Polyarthritis; Hyperalgesia (Abbadie, C. (607) 195)

Spinal cord; Dorsal horn; Lamina X; Nitric oxide; c-*fos* (Lee, J.-H. (608) 324)

Thalamus; Analgesia; Cat; Ascending inhibition; Nucleus raphe magnus (Koyama, N. (609) 298)

Carbonic anhydrase; Chemonociception; Paresthesia; Chemoreceptor; Irritation (Komai, M. (612) 122)

Serotonin 5-HT_{1B} receptor; Medullary dorsal horn; Serotonin; Voltammetry (Puig, S. (618) 171)

Naloxone; Magnetic field; Magnetic field – 60 Hz; Hypoalgesia; Analgesia; Opiate antagonist; Magnetic-field-induced hypoalgesia (Kavaliers, M. (620) 159)

Regional superfusion; Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Analgesia; Glycine; GABA; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

Cerebral cortex; CO_2-laser; Evoked potential; Pain; Somatosensory pathway (Kalliomäki, J. (622) 262)

Cerebral cortex; CO_2-laser; Evoked potential; Pain; Somatosensory pathway (Kalliomäki, J. (622) 271)

Nifedipine; Oxotremorine; Physostigmine; Mouse (Pavone, F. (623) 308)

Interleukin-1β; Hyperalgesia; Interleukin-1 receptor antagonist; α-Melanocyte-stimulating hormone; Corticotropin-releasing factor; Arachidonate cascade (Oka, T. (624) 61)

Glutamate; Lateral cervical nucleus; Marginal zone; Pain (Yezierski, R.P. (624) 304)

Morphine; Dorsal horn; Trigeminal nucleus caudalis (Mokha, S.S. (626) 318)

Dorsal horn; Convergent neuron; Inhibitory control (Cadden, S.W. (628) 65)

Autotomy; Dynorphin; Neuropathic pain; Opioid; Peripheral neuropathy (Wagner, R. (629) 323)

Opioid; Thalamus; Analgesia; Frontal cortex; Spinal cord (Coffield, J.A. (630) 252)

Glucocorticoid receptor; Corticosteroid; Pain; Immunocytochemistry; Immediate early gene; C-fiber stimulation; Primary sensory neuron (Cintra, A. (632) 334)

Nociceptive
Thalamocortical; Spinal cord; Ascending projection; Pain (Stevens, R.T. (631) 241)

Nociceptive neuron
Primary somatosensory cortex; Cold-sensitive neuron; Skin; Mucous membrane (Tsuboi, Y. (613) 193)

Nociceptor
Antidromic stimulation; Neurogenic inflammation; C-fiber; Morphine; Naloxone (Shakhanbeh, J. (607) 314)

Prostacyclin; Bradykinin; Inflammation (Birrell, G.J. (611) 103)

Algesic chemical; Bradykinin; Capsaicin; Chemoreceptor; Mechanoreceptor; Visceral afferent (Hong, S.K. (622) 215)

Node of Ranvier
Neurofilament; Axon; Cytoskeleton; Random array; Poisson distribution (Price, R.L. (607) 125)

Synaptophysin (p38); Vesicle; Sprout; Nerve regeneration; Peripheral nerve (Okajima, S. (631) 133)

Noise
5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Metabolism; Gepirone; Serotonin 5-HT_{1A} receptor (Boadle-Biber, M.C. (628) 105)

Noise analysis
Neuromuscular junction; Transmitter release; Catecholamine; Myasthenia gravis; Congenital myasthenic syndrome (Sieb, J.P. (623) 167)

Noise stimulus
Dopamine; Lateral olivocochlear system; Cochlea; High-performance liquid chromatography; Electrochemical detection; Rat (Gil-Loyzaga, P. (623) 177)

Nomifensine
In vivo voltammetry; Fast-scan cyclic voltammetry; Dopamine; Electrical stimulation; Intracranial self-stimulation; Uptake inhibition (Young, S.D. (600) 305)

Non-ataxic
Cerebellum; Purkinje cell; Exploratory behavior; Tonic-clonic seizure; Immune response; Guinea pig (Lev-Ram, V. (606) 325)

Non-cholinergic
Neuropeptide; Transsynaptic; Tyrosine hydroxylase; Secretin; Superior cervical ganglion; Vasoactive intestinal peptide (McKeon, T.W. (607) 345)

Non-competitive
NMDA receptor antagonist; Competitive; Hot-plate; Intracerebroventricular; Intrathecal; Intraperitoneal; Interaction (Näsström, J. (623) 47)

Non-genomic
Sexual behavior; Steroid; Membrane; γ-Aminobutyric acid (Frye, C.A. (612) 130)

Non-human primate
Neuropeptide Y; Insular lobe; Monkey; Immunocytochemistry; Cerebral cortex (Augustine, J.R. (603) 255)

Non-NMDA
Brainstem; NMDA; Patch clamp; Whole cell (Zidichouski, J.A. (611) 313)

Non-NMDA glutamate antagonist
Kainic acid; AMPA; Quisqualic acid; NMDA; Excitotoxin; NBQX; Hippocampus (Lees, G.J. (628) 1)

Non-NMDA receptor
N-Methyl-D-aspartate; Brain ischemia; Initial association rate; NMDA domain; Glycine domain (Yoneda, Y. (613) 21)

Human motor cortex; Brainstem; Spinal cord; [^{3}H]CNQX binding; Autoradiography (Chinnery, R.M. (630) 75)

Non-opioid
Naked mole-rat; Formalin test; Pain; Opioid (Kanui, T.I. (600) 123)

Ethanol; MK-801; Dizocilpine; *N*-Methyl-D-aspartate; Stress-induced analgesia; Genetics; Selective breeding (Mogil, J.S. (602) 126)

Non-opioid analgesia
Sex difference; Developmental; Stress-induced analgesia; Opioid analgesia; Naloxone; 8-OH-DPAT; Predator-prey; Meadow vole (Saksida, L.M. (617) 214)

Non-opioid γ-type endorphin
In vitro receptor autoradiography; Neuropeptide; Mesocorticolimbic system; Topography; Anti-idiotypic antibody (Ronken, E. (615) 63)

Non-REM sleep
Brain temperature; Sleep deprivation; Sleep restriction; Thermoregulation; Anterior/preoptic hypothalamus (Morairty, S.R. (617) 10)

Nootropic drug
Fluid-percussion brain injury; Cognitive enhancer; Morris water maze (Pierce, J.E.S. (624) 199)

Noradrenaline
Neuropeptide Y; Coexistence; Synaptic inputs; Nucleus preopticus medianus; Paraventricular hypothalamic nucleus; Retrograde tracing; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Recovery; Frontal cortex; Dopamine; Serotonin; Rat (De Brabander, J.M. (601) 20)

Corticotropin-releasing factor; Hypothalamus; In vivo microdialysis (Emoto, H. (601) 286)

Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Serotonin; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Fast cyclic voltammetry; Bed nucleus of stria terminalis; Brain slice; Electrical stimulation; Autoreceptor (Palij, P. (607) 134)

Microdialysis; Prefrontal cortex; Morphine dependence; Tolerance; Morphine withdrawal (Rossetti, Z.L. (609) 316)

Acetylcholine; Transmitter release; Microdialysis; Hippocampus; Functional recovery; Fimbria-fornix lesion (Leanza, G. (615) 147)

Morphine; α_2-Adrenoceptor; Antinociception; Pain; Spinal cord (Xu, X.-J. (621) 267)

p-Chlorophenylalanine; 5-Hydroxytryptophan; Serotonin; Excitatory amino acid; Sensory response (Shiekhattar, R. (623) 72)

Corticotropin-releasing factor; Amygdala; Stress ulcer (Ray, A. (624) 286)

Aging; Neuropeptide Y; α-Adrenoceptor; Brainstem; Hypothalamus (Huguet, F. (625) 256)

Allylnitrile; 5,7-Dihydroxytryptamine; *N*-(2-Chloroethyl)-*N*-ethyl-2-bromobenzylamine; Head twitching; 5-Hydroxytryptamine (Tanii, H. (626) 265)

CRF; MHPG-SO_4; Stress; Brain region; Corticosterone; CRF antagonist; α-Helical CRF_{9-41} (Emoto, H. (627) 171)

Brown adipose tissue; Microdialysis; Peptide; Norepinephrine; Serotonin; 3,4-Dihydroxyphenylacetic acid (Shimizu, H. (630) 95)

Kindling; Clonidine; Idazoxan; Yohimbine; Xylazine; Amygdala (Pelletier, M.R. (632) 29)

Nervi vasorum; Nervi nervorum; Neuropeptide; Peripheral neuropathy (Lincoln, J. (632) 48)

Noradrenaline release
Hexachlorocyclohexane isomer; GABAergic convulsant agent; Diazepam; Hippocampal slice (Cristòfol, R.M. (606) 237)

Thymopentin; Neuronal nicotinic receptor; Thymopoietin (Afar, R. (606) 346)

Noradrenergic
Lordosis; Guinea pig; Preoptic area; Hypothalamus (Malik, K.F. (628) 26)

Noradrenergic neuron
A1 cell group; Purinergic transmission; Supraoptic nucleus; Neurosecretory cell; Vasopressin (Day, T.A. (607) 341)

Neurotoxin; DSP-4; Locus coeruleus; Electrophysiology; Ca^{2+} spike (Magnuson, D.S.K. (628) 317)

Nor-binaltorphimine
U-50,488H; Memory; Ischemia; Body temperature; Mouse (Itoh, J. (619) 223)

Norbinaltorphimine
Neuropeptide Y; Feeding; Intracerebroventricular; Rat (Lambert, P.D. (629) 146)

Feeding; Neuropeptide Y (NPY); Opioid; β-Funaltrexamine (β-FNA); Naltrindole (NTI) (Kotz, C.M. (631) 325)

Norepinephrine
Serotonin; Dopamine; Inhibitory post-synaptic potential IPSP (Gellman, R.L. (600) 63)

Long-term potentiation; Long-term depression; Theta rhythm; Hippocampus; CA1; Adenosine (Larson, J. (600) 97)

Astrocyte; Differentiation; Phosphoinositide response; α_1-Adrenergic receptor (Fahrig, T. (602) 318)

Transglutaminase; Acetylcholine; GM1-ganglioside; α-Sialyl cholesterol; Superior cervical (sympathetic) ganglia; Denervation; Axotomy (Ando, M. (604) 64)

Dopamine; Electrical stimulation; In vivo voltammetry; Voltage-sensitive calcium channel; Calcium antagonist (Mitchell, K. (604) 349)

Microdialysis; Paraventricular nucleus; Feeding cycle (Paez, X. (606) 167)

8-OH-DPAT; 5,7-Dihydroxytryptamine; Serotonin; Dopamine (Tian, Y. (607) 215)

A1 neuron; Medial preoptic area; Luteinizing hormone (Liaw, J.-J. (607) 233)

α_2-Adrenoceptor; 3,4-Dihydroxyphenylacetic acid; Hippocampus; Microdialysis; Sensitization; Stress (Nisenbaum, L.K. (608) 280)

MPTP; Memory; Dopamine; L-DOPA; Olfactory bulb; Hippocampus; Parkinson's disease (Dluzen, D.E. (609) 98)

Diagonal band of Broca; Vasopressin; Rat (Cunningham, J.T. (610) 152)

Spinal cord; Development; Ontogenesis; 6-Hydroxydopamine; Adrenergic receptor; Rat (Simmons, K.E. (611) 222)

Calcium channel; Nerve terminal; Ryanodine; Stellate ganglion; Sympathetic nerve activity (Gurnett, C.A. (612) 238)

Lateral hypothalamus; DOCA; Hypertension; GABA; Salt diet (Sessler, F.M. (613) 259)

Long-term potentiation; Serotonin; Serotonin 5-HT_{1A} receptor; Hippocampus; In vitro (Sakai, N. (613) 326)

Hippocampus; Tyrosine hydroxylase; DSP-4; Biochemical compensation; Regeneration (Robinson, G.B. (614) 21)

Obesity; Corticosterone; Catecholamine; Adrenalectomy; Adrenoceptor (Levin, B.E. (614) 146)

Clonidine; Reserpine; Memory; Prefrontal cortex; Monkey (Cai, J.X. (614) 191)

Pinealocyte; Calcium; Melatonin; Cyclic nucleotide; *N*-Acetyltransferase; Image analysis (Schaad, N.C. (614) 251)

Locus ceruleus; Tissue culture; Insulin; Survival; Differentiation; Tyrosine hydroxylase (Sklair-Tavron, L. (614) 257)

Streptozotocin-induced diabetes; Rat; Peripheral neuropathy; Sympathetically maintained pain; Mechanical nociceptive threshold (Ahlgren, S.C. (616) 171)

Antinociception; Dopamine β-hydroxylase; Fluoro-Gold; *Phaseolus vulgaris*-leucoagglutinin; Pons; Retrograde tracer; Tyrosine hydroxylase (Clark, F.M. (616) 200)

Astrocyte; Calcium; Inositol polyphosphate; Lead; Phospholipase C (Dave, V. (618) 9)

Aging; Motor learning; Cerebellum (Bickford, P. (620) 133)

Cholinergic; Muscarinic; Fura-2; Cell culture; Alzheimer's disease (Whittemore, E.R. (621) 59)

Dopamine; Catecholamine; Metabolite; Serotonin (Shimizu, H. (621) 200)

Olfactory bulb; Dopamine; 6-Hydroxydopamine; Recognition; Habituation; Male rat; Testosterone (Guan, X. (622) 51)

Plasticity; α-Adrenoceptor; Prazosin; Locus ceruleus; Vibrissae (Dunn-Meynell, A.A. (623) 25)

Sex steroid; GABA; Hypothalamus; Goldfish (Trudeau, V.L. (624) 29)

Idazoxan; Locus coeruleus; Phentolamine; Sprague–Dawley substrain; Yohimbine (West, W.L. (626) 127)

Thyroid hormone; Thyroxine; Triiodothyronine; Hypo- and hyperthyroidism; Desmethylimipramine; Tricyclic antidepressant; Amine uptake (Gordon, J.T. (626) 175)

Retina; Dopamine; Horizontal cell; Goldfish (Baldridge, W.H. (626) 210)

Feeding; 8-Hydroxy-2-(di-*n*-propylamino)tetralin; Idazoxan; Serotonin; Hypothalamic paraventricular nucleus; Raphe nucleus (Currie, P.J. (627) 153)

α_2 Adrenergic agonist; Dexmedetomidine; Ischemia, cerebral; Microdialysis; Rabbit (Matsumoto, M. (627) 325)

γ-Aminobutyric acid; Human neocortex; Release; Slice; Synaptosome (Ferraro, L. (629) 103)

Lateral perforant path; Potentiation; Locus coeruleus; Medial perforant path (Babstock, D.M. (629) 149)

Brown adipose tissue; Microdialysis; Peptide; Serotonin; 3,4-Dihydroxyphenylacetic acid; Noradrenaline (Shimizu, H. (630) 95)

Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

Norepinephrine release
D-Glucose; GABA release; Serotonin release; Acetylcholine release; $GABA_B$ receptor; Hyperglycemia; Diabetic coma (Fink, K. (618) 220)

Oxytocin; Estradiol; Progesterone; Ventromedial hypothalamus; Lordosis; Prazosin (Vincent, P.A. (620) 189)

Norepinephrine transporter
Insulin; Locus ceruleus; Catecholamine (Figlewicz, D.P. (602) 161)

Norepinephrine transporter mRNA
Tricyclic antidepressant; Desipramine; Locus ceruleus; Transporter (Szot, P. (618) 308)

Norepinephrine transporter site
Autoradiography; Human brainstem (Tejani-Butt, S.M. (631) 147)

Norepinephrine turnover
Interleukin-1; Interleukin-6; Tumor necrosis factor-α; Corticotropin-releasing hormone; Prostaglandin; Hypothalamus (Terao, A. (622) 257)

Norepinephrine turnover rate
Tyrosine hydroxylase; Catecholaminergic area; Long-term hypoxia; Rat brainstem (Schmitt, P. (611) 53)

Tyrosine hydroxylase; Catecholaminergic area; Dihydralazine; Rat brainstem (Schmitt, P. (611) 61)

Northern blot
Cerebral ischemia; Ischemic tolerance; Heat shock protein; Rat; Immunohistochemistry; Western blotting (Nishi, S. (615) 281)

Somatostatin; Rat; Environment; Cortex; mRNA; Behavior (Nilsson, L. (628) 93)

Novelty
Addiction; Individual difference; Stress; Locomotor activity; Dopamine; Nucleus accumbens; Microdialysis (Rougé-Pont, F. (602) 169)

NPY(1–36)
NPY(13–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_1 receptor; Neuropeptide Y_2 receptor; Microinjection; Nucleus tractus solitarii; Cardiovascular (Yang, S.-N. (621) 126)

NPY(13–36)
NPY(1–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_1 receptor; Neuropeptide Y_2 receptor; Microinjection; Nucleus tractus solitarii; Cardiovascular (Yang, S.-N. (621) 126)

Neurosecretion; Axonal reticulum; Axonal transport; Sympathetic neuron; Immunocytochemistry; Large dense-cored vesicle (Quatacker, J. (627) 249)

NPY(20–36)
Neuropeptide Y (NPY); NPY receptor; [Leu^{31},Pro^{34}]NPY; Discriminative stimulus; Drug discrimination; Food intake (Jewett, D.C. (631) 129)

NPY receptor
Neuropeptide Y (NPY); [Leu^{31},Pro^{34}]NPY; NPY 20–36; Discriminative stimulus; Drug discrimination; Food intake (Jewett, D.C. (631) 129)

NSD-1015
Aromatic L-amino acid decarboxylase; Dopamine; Pyridoxal 5-phosphate; Astrocyte (Juorio, A.V. (626) 306)

Nuclear magnetic resonance
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Nuclear membrane
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Nucleic acid hybridization
Suprachiasmatic nucleus; Serotonin receptor (Roca, A.L. (608) 159)

Nucleolus
$p34^{cdc2}$; *cdc2* kinase; cdc2-related protein kinase; Nervous system; Endocrine system; Immunohistochemistry (Ino, H. (614) 131)

Nucleoside carrier
Adenosine release; Spinal cord; Dipyridamole; Nitrobenzylthioinosine; Morphine (Sweeney, M.I. (614) 301)

Nucleus
DNA fragmentation; Rat; Cerebral ischemia; Endonuclease; Calcium; Gel electrophoresis (Tominaga, T. (608) 21)

Nucleus accumbens
Microdialysis; Rat; Restraint; Habituation; Depression (Imperato, A. (601) 333)

Addiction; Individual difference; Stress; Novelty; Locomotor activity; Dopamine; Microdialysis (Rougé-Pont, F. (602) 169)

Repeated amphetamine; Sensitization; Microdialysis; Dopamine; Ventral tegmental area; Locomotion (Vezina, P. (605) 332)

Aging; Ascorbate; Dopamine; In vivo voltammetry; Caudate-putamen; Frontal cortex; Rat (Svensson, L. (609) 36)

Substance P; Neostriatum; Amphetamine; Release (Furmidge, L.J. (610) 234)

Phencyclidine; Social behavior; Locomotion; Stereotypy; Ataxia; Dopamine (Steinpreis, R.E. (612) 263)

Dopamine; Striatum; Electrical stimulation; Fast cyclic voltammetry; Brain slice (Davidson, C. (615) 229)

Aging; Neurotensin; Striatum; Haloperidol; Dopamine receptor; Fischer 344; In situ hybridization (Dobie, D.J. (616) 105)

Amphetamine; Morphine; 6,7-Dinitroquinoxaline-2,3-dione; Conditioned place preference (Layer, R.T. (617) 267)

Dopamine; Sexual behavior; Microdialysis (Wenkstern, D. (618) 41)

Adenylate cyclase; cAMP; Guanosine nucleotide analog; Forskolin; Aging; Rat; Striatum (Sugawa, M. (618) 57)

Acetylcholine; Serotonin; Microdialysis; Fluoxetine; 8-OH-DPAT (Rada, P.V. (619) 98)

Acetylcholine; GABA; Microdialysis; Muscimol; Baclofen; Bicuculline; Saclofen (Rada, P.V. (619) 105)

Marijuana; Cannabis; Cannabinoid; Δ^9-Tetrahydrocannabinol (Δ^9-THC); Dopamine; Ventral tegmental area; Microdialysis; Brain reward; Addiction (Chen, J. (621) 65)

Locomotor activity; Reinforcement; Neuropeptide; Dopamine (Robledo, P. (622) 105)

Microdialysis; Dopamine; Opioid; ∂ Opioid receptor; Ventral tegmental area (Devine, D.P. (622) 348)

Ethanol self-administration; 6-Hydroxydopamine; Dopamine; Mesolimbic; Reinforcement (Rassnick, S. (623) 16)

Periaqueductal gray; Dorsal raphe nucleus; Serotonin; Trigeminal nucleus; Orbital cortex; Amygdala; Rat (Li, Y.-Q. (623) 267)

Cocaine; Self-administration; SCH 23390; Amygdala; Fixed ratio; Progressive ratio (McGregor, A. (624) 245)

Cocaine; Self-administration; Chronic recording; Dopamine (Carelli, R.M. (626) 14)

Ibogaine; D-Amphetamine; Dopamine; Striatum; Microdialysis (Glick, S.D. (628) 201)

Neostriatum; Dopamine; Motivation; Instrumental behavior; Motor control; Parkinsonism (Salamone, J.D. (628) 218)

Cholecystokinin; Local perfusion; Dopamine release; Microdialysis; Freely moving rat (Ladurelle, N. (628) 254)

Substance P; DiMe-C7; Analgesia; Formalin test; Tonic pain; Tail-flick test; Ventral tegmental area; Midbrain dopamine system; Amphetamine; Medial prefrontal cortex (Altier, N. (628) 279)

Cocaine; Conditioning; Dopamine (Fontana, D.J. (629) 31)

Stress; Dopamine; Learned helplessness; Depression; Laterality; Medial prefrontal cortex; Striatum (Carlson, J.N. (630) 178)

Nucleus ambiguus
Hemorrhage; Dynorphin; Central nervous system; Endogenous opioid peptide; Hypotension (Samuels, S. (613) 54)

Nucleus basalis
Somatostatin; Somatostatin receptor radioautography; Ibotenic acid; Plasticity (Moyse, E. (607) 154)

Alzheimer's disease; Gene expression; Senile plaque (Forloni, G. (620) 292)

Alcohol; Acetylcholine; Barrel; Diagonal band of Broca; Dementia (Miller, M.W. (627) 104)

Nucleus basalis lesion
Nicotine; Pilocarpine; Neuronal density; GABA uptake (Sjak-Shie, N.N. (624) 295)

Nucleus basalis magnocellularis
Nerve growth factor; Cortical cholinergic neuron; Choline acetyltransferase (Dekker, A.J. (601) 329)

Neurosteroid; Memory; Place recognition task; Rat (Mayo, W. (607) 324)

2-Deoxy-D-glucose; Cholinergic system; Nicotine; Arecoline; Physostigmine; Rat (De Micheli, E. (615) 80)

Somatostatin receptor binding; Autoradiography; Ibotenic acid lesion; Cerebral cortex (Bogdanovic, N. (628) 31)

Nucleus basalis of Meynert
Choline acetyltransferase; Acetylcholinesterase; Nerve growth factor; Aging (Santucci, A.C. (609) 327)

Nucleus cuneiformis
Inflammation; Mononeuropathy; Hyperalgesia; Arthritis; Neurotensin; Periaqueductal gray (Williams, F.G. (611) 87)

Nucleus gigantocellularis pars alpha
$GABA_A$ receptor; Antinociception; Nucleus raphe magnus; Spinal cord; Bicuculline; Isoguvacine; Diazepam (McGowan, M.K. (620) 86)

Nucleus laminaris
Nucleus magnocellularis; Axonal sprouting; NBQX; Quinoxalinedione (Zhou, N. (628) 149)

Nucleus magnocellularis
Nucleus laminaris; Axonal sprouting; NBQX; Quinoxalinedione (Zhou, N. (628) 149)

Nucleus of diagonal band of Broca
Cholinergic neuron; Calbindin-D_{28k}; Medial septal nucleus; Coexistence; Immunocytochemistry; Monkey (Ichitani, Y. (625) 328)

Nucleus of the solitary tract
c-*fos*; Bombesin; Cholecystokinin; Hypothalamus; Capsaicin (Bonaz, B. (600) 353)

Migraine; C-*Fos*; Trigeminal nucleus caudalis; Superficial dorsal horn; Nucleus retroambigualis (Kaube, H. (629) 95)

Gustatory; Taste; Somatosensory; Tactile; Rat; Multi-unit neural activity (Halsell, C.B. (632) 161)

Nucleus parabrachialis
Monosynaptic excitatory postsynaptic potential; Convergent input; Lateral hypothalamus; Intracellular recording (Granata, A.R. (600) 315)

Protein kinase C; Conditioned taste aversion; LiCl; $CuSO_4$ (Krivanek, J. (629) 327)

Nucleus paragigantocellularis
Opiate analgesia; Pain; Periacqueductal gray; Tonic descending inhibition (Rosenfeld, J.P. (605) 57)

Nucleus preopticus medianus
Noradrenaline; Neuropeptide Y; Coexistence; Synaptic inputs; Paraventricular hypothalamic nucleus; Retrograde tracing; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Nucleus raphe dorsalis
Serotonin; 8-OH-DPAT; Temperature; Frontal cortex; In vivo voltammetry; Stress; Rat (Clement, H.-W. (614) 117)

Nucleus raphe magnus
Pain; Nociception; Serotonin; Sensory trigeminal nucleus; Spinal cord; Rat (Li, Y.-Q. (602) 331)

$GABA_B$ receptor; Antinociception; Spinal cord; L-Glutamate; CGP 35348; Phaclofen; Methysergide (McGowan, M.K. (607) 39)

Periaqueductal gray; Principal sensory trigeminal nucleus; Caudal spinal trigeminal nucleus; Pain; Rat; *Phaseolus vulgaris* leucoagglutinin; Wheat germ agglutinin–horseradish peroxidase (Li, Y.-Q. (608) 138)

Thalamus; Nociception; Analgesia; Cat; Ascending inhibition (Koyama, N. (609) 298)

$GABA_A$ receptor; Antinociception; Nucleus gigantocellularis pars alpha; Spinal cord; Bicuculline; Isoguvacine; Diazepam (McGowan, M.K. (620) 86)

Morphine analgesia; Periaqueductal gray; Nucleus reticularis gigantocellularis; Naltrexone; β-Funaltrexamine; Naltrindole; Opioid receptor (Kiefel, J.M. (624) 151)

Morphine analgesia; Periaqueductal gray; Naloxonazine; Locus ceruleus (Rossi, G.C. (624) 171)

Nucleus raphe obscurus
Periaqueductal grey matter; Serotonin; Rat; Aversion (Lovick, T.A. (606) 92)

Nucleus reticularis gigantocellularis
Morphine analgesia; Periaqueductal gray; Nucleus raphe magnus; Naltrexone; β-Funaltrexamine; Naltrindole; Opioid receptor (Kiefel, J.M. (624) 151)

Nucleus retroambigualis
Migraine; C-*Fos*; Trigeminal nucleus caudalis; Superficial dorsal horn; Nucleus of the solitary tract (Kaube, H. (629) 95)

Nucleus solitarius
Substance P; Methionine enkephalin; Taste (Davis, B.J. (616) 6)

Nucleus tractus solitarii
Membrane property; Ionic current; In vitro; Rat (Paton, J.F.R. (604) 112)

System modeling; Cardiovascular reflex; Neuronal dynamics (Schwaber, J.S. (604) 126)

Substance P; Immunocytochemistry; Ontogeny; Dorsal motor nucleus of the vagus nerve; Human fetus (Wang, L.G. (605) 9)

Apnea; Ethmoidal; Brainstem; Respiratory neuron; Nasal mucosa; Respiratory reflex (Boissonade, F.M. (605) 345)

Potassium ion activity; Glial cell; Synaptic potential; Glutamate; Cholecystokinin; Tractus solitarius; Dorsal vagal motor nucleus (Ballanyi, K. (607) 99)

c-Fos; Tyrosine hydroxylase; Phenylethanolamine-*N*-methyltransferase; Serotonin; Ventrolateral medulla (Dun, N.J. (608) 223)

Footshock; Conditioning; Locus ceruleus; Ventral lateral medulla; A5; A7; Periaqueductal gray; Neuroimmunomodulation (Pezzone, M.A. (608) 310)

Electrophysiology; Brainstem slice; Estradiol; Progesterone; Dorsal motor nucleus of the vagus; Ovarian steroid (Tolchard, S. (609) 21)

Retrograde tracer; Tyrosine hydroxylase; Immunocytochemistry; Ventrolateral medulla; Locus coeruleus (Petrov, T. (609) 81)

Spermidine; Polyamine; NMDA; Cardiovascular (Ohta, H. (620) 72)

NPY(1–36); NPY(13–36); Neuropeptide Y_1 receptor agonist; Neuropeptide Y_1 receptor; Neuropeptide Y_2 receptor; Microinjection; Cardiovascular (Yang, S.-N. (621) 126)

Dynorphin A(2–17); Blood pressure; Hemorrhage (Fan, L. (623) 110)

Cholecystokinin receptor antagonist; L-365,260; Receptor autoradiography; Visceral afferent; Feeding; MK-329; Area postrema (Corp, E.S. (623) 161)

c-*fos*; Fos; Opiate withdrawal; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Nucleus tractus solitarius
Prostaglandin E_2; Patch-clamp; Cation channel; Autoradiography; Rat (Matsumura, K. (626) 343)

Whole-cell patch clamp; Synaptic activity; Re-excitation; Excitatory amino acid; Brainstem neuronal networks (Fortin, G. (630) 125)

Nucleus ventralis posterolateralis thalami
Deafferentation pain; Spinothalamic tract; Thalamus; *N*-Methyl-D-aspartate; MK-801 (Koyama, S. (612) 345)

Nucleus ventralis posteromedialis parvocellularis
Tongue; Somatosensory lingual input; Cortical projection; Coronal gyrus; Jaw movement (Nishikawa, Y. (605) 265)

Numerical density
Stereology; Cerebral cortex (Beaulieu, C. (609) 284)

Nystatin-perforated patch
Caffeine; Rat hippocampus; Dissociated pyramidal neuron; Ca^{2+}-activated K^+ current; Ca^{2+}-induced Ca^{2+} release (Uneyama, H. (604) 24)

Nystatin-perforated patch recording
Rat; Cortical neuron; Kainate; Outward current (Omura, T. (627) 345)

O

Obesity
Norepinephrine; Corticosterone; Catecholamine; Adrenalectomy; Adrenoceptor (Levin, B.E. (614) 146)

Galanin; Hypothalamus; Overeating; Growth hormone; Insulin; Hypothalamo-pituitary-adrenal axis; Fasting (Beck, B. (623) 124)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Rat (Atrens, D.M. (630) 245)

Occipital cortex
Synaptophysin; Synaptic vesicle; Purkinje cell; Human brain; Neuropathology (Honer, W.G. (609) 9)

Octanol
Alcohol; Benzodiazepine; γ-Aminobutyric acid; $GABA_A$ subunit; Cloned $GABA_A$ receptor; Human kidney cell line (Kurata, Y. (631) 143)

Octopamine
Interneuron; Immunocytochemistry; Central nervous system; Snail; *Lymnaea stagnalis* (Elekes, K. (608) 191)

Spider nervous system; Neuroanatomy; Immunocytochemistry; High-pressure liquid chromatography; Hemolymph; *Cupiennius salei* (Seyfarth, E.-A. (611) 197)

Oculomotor
Eyelid movement; Blink; Orbicularis oculi; Levator palpebrae superioris (Porter, J.D. (609) 159)

Oculomotor system
Eye movement; Corneal reflex; Eyeball retraction; Blink reflex; Superior rectus muscle; Levator palpebrae muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

Oculopharyngeal muscular dystrophy
Inclusion body myositis; Rimmed vacuole; Cathepsin; Amyloid precursor protein; Lysosome; Muscle biopsy (Villanova, M. (603) 343)

Odor deprivation
Dopamine neuron; Sensory deprivation; GABA; Olfactory marker protein (Baker, H. (614) 109)

Odor preference formation
Olfactory bulb; Early learning; Glomerulus; Glial fibrillary acidic protein; 2-Deoxyglucose; Immunohistochemistry (Matsutani, S. (613) 317)

8-OH-DPAT
5,7-Dihydroxytryptamine; Serotonin; Norepinephrine; Dopamine (Tian, Y. (607) 215)

Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1C} receptor; Serotonin 5-HT_2 receptor; Oxytocin; Vasopressin; Male rat; Buspirone; DOI; Ipsapirone; Ritanserin; NAN-190 (Bagdy, G. (611) 330)

Serotonin; Periaqueductal gray; Anxiety; Pain (Behbehani, M.M. (612) 56)

Sympathetic; Kainic acid; Cat; Lateral tegmental field (Clement, M.E. (612) 78)

Serotonin; Temperature; Frontal cortex; Nucleus raphe dorsalis; In vivo voltammetry; Stress; Rat (Clement, H.-W. (614) 117)

Electrophysiology; Paraventricular nucleus; Corticotropin-releasing factor; Serotonin 5-HT_{1A} receptor (Saphier, D. (615) 7)

Paroxetine; Bovine brain; Dorsal raphe nucleus; Hippocampus; Receptor binding; Serotonin uptake site; Serotonin 5-HT_{1A} receptor (Sprouse, J.S. (617) 159)

Sex difference; Developmental; Stress-induced analgesia; Opioid analgesia; Non-opioid analgesia; Naloxone; Predator-prey; Meadow vole (Saksida, L.M. (617) 214)

Acetylcholine; Serotonin; Nucleus accumbens; Microdialysis; Fluoxetine (Rada, P.V. (619) 98)

Paraventricular nucleus; Lesion; Feeding; 5-Hydroxytryptamine; D-Fenfluramine; Fluoxetine; TFMPP (Fletcher, P.J. (630) 1)

Ola mice
Axon reaction; Axotomy; Cell body; Dorsal root ganglion; Phosphorylated neurofilament; Trophic; Wallerian degeneration (Gold, B.G. (626) 23)

Olfaction
Olfactory threshold; Lateral olfactory tract; Olfactory sensitivity; Anosmia (Slotnick, B.M. (616) 132)

Olfactory bulb
Ensheathing cell; Cell culture; Neonatal rat; Immunohistochemistry; Ultrastructure (Chuah, M.I. (601) 213)

Fibroblast growth factor; Hippocampus; Limbic system; Growth factor (Gómez-Pinilla, F. (606) 79)

MPTP; Memory; Norepinephrine; Dopamine; L-DOPA; Hippocampus; Parkinson's disease (Dluzen, D.E. (609) 98)

Odor preference formation; Early learning; Glomerulus; Glial fibrillary acidic protein; 2-Deoxyglucose; Immunohistochemistry (Matsutani, S. (613) 317)

Brain; Insulin-like growth factor I; Basic fibroblast growth factor; DNA synthesis; protein synthesis (Werther, G.A. (617) 339)

Norepinephrine; Dopamine; 6-Hydroxydopamine; Recognition; Habituation; Male rat; Testosterone (Guan, X. (622) 51)

Olfactory cilium
cGMP; Taste bud; Circumvallate papilla; Retina (Borisy, F.F. (610) 199)

Olfactory cortex slice
Evoked potential; Cytochrome; Redox state; Oxygen; 4-Aminopyridine; Neuron; Glia (Saito, T. (612) 9)

Olfactory epithelium
Calbindin-D28k; Calretinin; Parvalbumin; Vomeronasal organ; Septal organ; Immunohistochemistry (Kishimoto, J. (610) 325)

Olfactory marker protein
Dopamine neuron; Sensory deprivation; Odor deprivation; GABA (Baker, H. (614) 109)

Olfactory memory
Accessory olfactory bulb; Nitric oxide synthase; L-N^G-Nitroarginine; Mouse (Brennan, P.A. (619) 306)

Olfactory nerve recovery
Lateral olfactory tract regeneration; Behavior; Amino acid; Goldfish (Von Rekowski, C. (618) 338)

Olfactory sensitivity
Olfaction; Olfactory threshold; Lateral olfactory tract; Anosmia (Slotnick, B.M. (616) 132)

Olfactory threshold
Olfaction; Lateral olfactory tract; Olfactory sensitivity; Anosmia (Slotnick, B.M. (616) 132)

Olfactory training
Long-term potentiation; Piriform cortex; Memory (Roman, F.S. (601) 265)

Oncoprotein
Immediate-early response gene; Stimulant; Immunocytochemistry; Cell counting; Addiction (Norman, A.B. (603) 125)

Ondine's curse
Airway control; Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Cough reflex; Respiratory control; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Ontogenesis
Norepinephrine; Spinal cord; Development; 6-Hydroxydopamine; Adrenergic receptor; Rat (Simmons, K.E. (611) 222)

Ontogeny
Substance P; Immunocytochemistry; Dorsal motor nucleus of the vagus nerve; Nucleus tractus solitarii; Human fetus (Wang, L.G. (605) 9)

Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; Circadian; Neuropeptide; Rat; Hamster; Prenatal; Entrainment (Robinson, M.L. (605) 271)

Onuf's nucleus
Spinal cord; Cat; Plasticity; Growth-associated protein; Neuritogenesis; Sprouting immunohistochemistry; Motoneuron disease (Nacimiento, W. (613) 80)

Operant behavior
Sodium bicarbonate; Drinking behavior; Sodium chloride; Specific hunger; Dispogenic response; Acute hypertonicity (Weisinger, R.S. (628) 166)

Operant conditioning
Δ^9-Tetrahydrocannabinol; (−)-CP-55,940; Reinforcement; Hippocampal CA1 cell; Extracellular recording; Marijuana; Cannabinoid receptor (Xue, B.G. (626) 272)

Opiate
Cerebellum; Climbing fiber; Conditioning; Face; Inferior olive; Nociception (Weiss, C. (605) 207)

Selective breeding; Stress-induced analgesia; Levorphanol; Genetics; Opioid (Marek, P. (608) 353)

Sensitization; Tolerance; Ventral tegmental area; Morphine; Brain stimulation reward; Circling; Locomotion (Bauco, P. (617) 303)

Ventral tegmental area; Opioid; Morphine; U-50,488H, μ, κ; Feeding (Noel, M.B. (632) 68)

Opiate abstinence
Tyr-MIF-1; Anti-opiate peptide; Opiate dependence; Morphine; Rat (Malin, D.R. (610) 169)

κ Opiate agonist
Morphine; Tolerance; Analgesia; Hypothermia; U-50,488H; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,$MePhe^4$,$Gly\text{-}ol^5$-Enkephalin; B_{max}; K_d; Brain; Spinal cord (Thorat, S.N. (615) 191)

Thyrotropin-releasing hormone; U-50,488H; Analgesia; Hypothermia; Mouse (Bhargava, H.N. (625) 120)

Opiate analgesia
Pain; Periacqueductal gray; Nucleus paragigantocellularis; Tonic descending inhibition (Rosenfeld, J.P. (605) 57)

Opiate antagonist
Naloxone; Magnetic field; Magnetic field – 60 Hz; Hypoalgesia; Nociception; Analgesia; Magnetic-field-induced hypoalgesia (Kavaliers, M. (620) 159)

Alcohol; Microdialysis; Serotonin; Dopamine metabolite; 5-HIAA (Benjamin, D. (621) 137)

Opiate dependence
Tyr-MIF-1; Anti-opiate peptide; Opiate abstinence; Morphine; Rat (Malin, D.R. (610) 169)

Opiate receptor
Sympathetic ganglion; Synapse; Endogenous opioid (Zhang, C. (622) 211)

Serotonin; Hypothalamus; Midbrain central gray; Lesion; Sexual behavior (Allen, D.L. (625) 269)

Alcohol intake; Naltrindole; β-Funaltrexamine; Naltrexone; Mu; δ Opioid receptor; Mouse (Lê, A.D. (630) 330)

λ Opiate receptor
Cerebral ischemia; Hippocampus; Mossy fiber; MK-801 (Perry, D.C. (617) 296)

Opiate tolerance
Morphine; Dependence and withdrawal; Cyclic AMP-dependent protein kinase; Adenylate cyclase; G-protein; Neuronal excitability; Inbred rat strain; Genetic vulnerability (Guitart, X. (611) 7)

MK-801; Spinal cord; Antinociception; Tail flick test; NMDA (Gutstein, H.B. (626) 332)

Opiate withdrawal
c-*fos*; Fos; Dependence and withdrawal; Rostral ventrolateral medulla; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Opioid
Naked mole-rat; Formalin test; Pain; Non-opioid (Kanui, T.I. (600) 123)

Estrogen; Progesterone; Ovarian steroid; Analgesia (Dawson-Basoa, M.B. (601) 241)

Vagus; Morphine (Randich, A. (603) 186)

Ca^{2+} channel; ω-Conotoxin; DADLE; Differentiation; NG108-15 (Jin, W. (607) 17)

Lateral hypothalamus; Self-stimulation; Reward; Feeding (Carr, K.D. (607) 141)

Selective breeding; Stress-induced analgesia; Levorphanol; Genetics; Opiate (Marek, P. (608) 353)

Dynorphin; Tail-flick reflex; Hindlimb paralysis; Isobolographic analysis (Qu, Z.-X. (610) 340)

Footshock stress; Tail flick test; Stress induced analgesia; Mouse; κ Opioid receptor; Antinociception (Menendez, L. (611) 264)

Cytokine; Interleukin-1; Luteinizing hormone; Opioid receptor; Corticotrophin releasing hormone; Luteinizing hormone pulse (Bonavera, J.J. (612) 1)

Amygdala; Synaptic potential; γ-Aminobutyric acid (Sugita, S. (612) 151)

Autoradiography; EKC; DAMGO; DPDPE; Avian; pCl-DPDPE; Junco; Hypothalamus; Feeding (Deviche, P. (614) 220)

Scopolamine; Morphine; Traumatic brain injury; Fluid percussion (Lyeth, B.G. (617) 69)

Neuropeptide; Enkephalin; Cat; Visual cortex; Monoclonal antibody; Immunohistochemistry (Gu, Q. (620) 155)

Microdialysis; Dopamine; ∂ Opioid receptor; Ventral tegmental area; Nucleus accumbens (Devine, D.P. (622) 348)

Morphine withdrawal; Locus coeruleus; In vivo voltammetry; Excitatory amino acid antagonist; Naloxone (Hong, M. (623) 131)

Aging; Brain; Enkephalin; Human; Leu-enkephalin; Met-enkephalin (Rinne, J.O. (624) 131)

Nicotine; Mesolimbic dopamine neuron; In vivo brain dialysis (Yoshida, M. (624) 277)

Autotomy; Dynorphin; Neuropathic pain; Nociception; Peripheral neuropathy (Wagner, R. (629) 323)

Nociception; Thalamus; Analgesia; Frontal cortex; Spinal cord (Coffield, J.A. (630) 252)

Feeding; Neuropeptide Y (NPY); Norbinaltorphimine (norBNI); β-Funaltrexamine (β-FNA); Naltrindole (NTI) (Kotz, C.M. (631) 325)

Ventral tegmental area; Opiate; Morphine; U-50,488H, μ, κ; Feeding (Noel, M.B. (632) 68)

δ Opioid
Intracerebroventricular; Intrathecal; μ-Opiod; κ-Opioid; DAMGO; DPDPE; U50,488H; Synergy (Miaskowski, C. (608) 87)

Eimeria vermiformis; Parasite; Opioid analgesia; Multiple opioid systems; μ Opioid; κ Opioid; Parasite modifications of host behavior (Kavaliers, M. (623) 316)

δ Opiod receptor
Opioid antagonist, μ Opioid receptor; κ receptor; Saccharin; Maltose dextrin; Sucrose; Palatability (Beczkowska, I.W. (618) 261)

Alcohol intake; Naltrindole; β-Funaltrexamine; Naltrexone; Opiate receptor; Mu; Mouse (Lê, A.D. (630) 330)

κ Opioid
Intracerebroventricular; Intrathecal; μ-Opiod; δ-Opiod; DAMGO; DPDPE; U50,488H; Synergy (Miaskowski, C. (608) 87)

Cocaine; U-69593; Locomotor activity; Stereotypy (Heidbreder, C.A. (616) 335)

Eimeria vermiformis; Parasite; Opioid analgesia; Multiple opioid systems; μ Opioid; δ Opioid; Parasite modifications of host behavior (Kavaliers, M. (623) 316)

κ_1 Opioid agonist
Neuroprotection; Cerebral ischemia; CI-977; Glutamate; Gyrencephalic (Mackay, K.B. (618) 213)

Focal cerebral ischemia; Cerebral blood flow; Neuroprotection (Mackay, K.B. (629) 10)

κ Opioid receptor
Opioid antagonist; μ Opioid receptor; δ Opiod receptor; Saccharin; Maltose dextrin; Sucrose; Palatability (Beczkowska, I.W. (618) 261)

μ Opioid
Intracerebroventricular; Intrathecal; δ-Opiod; κ-Opioid; DAMGO; DPDPE; U50,488H; Synergy (Miaskowski, C. (608) 87)

Eimeria vermiformis; Parasite; Opioid analgesia; Multiple opioid systems; δ Opioid; κ Opioid; Parasite modifications of host behavior (Kavaliers, M. (623) 316)

Opioid analgesia
Sex difference; Developmental; Stress-induced analgesia; Non-opioid analgesia; Naloxone; 8-OH-DPAT; Predator-prey; Meadow vole (Saksida, L.M. (617) 214)

Eimeria vermiformis; Parasite; Multiple opioid systems; μ Opioid; δ Opioid; κ Opioid; Parasite modifications of host behavior (Kavaliers, M. (623) 316)

Opioid antagonist
Cholera toxin subunit A; Cholera toxin subunit B; Dorsal root ganglion neuron; Patch-clamp recording; Pertussis toxin (Fan, S.F. (605) 214)

μ Opioid receptor; κ receptor; δ Opiod receptor; Saccharin; Maltose dextrin; Sucrose; Palatability (Beczkowska, I.W. (618) 261)

Microdialysis; Stroke; Excitatory amino acid (Graham, S.H. (632) 346)

δ Opioid antagonist
Naltrindole; Receptor binding; Autoradiograph; Rat (Drower, E.J. (602) 138)

Opioid-binding
Passive avoidance; Quantitative autoradiography; Domestic chick; Avian brain (Csillag, A. (613) 96)

Opioid growth factor
Opioid receptor; Nervous system; Growth; Development; Brain; Zeta (ζ) receptor; Biochemistry; Antibody; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

Opioid peptide
Ultrastructure; Exocytosis; Mesolimbic; Nigrostriatal; κ Opioid receptor; Dense core vesicle (Pickel, V.M. (602) 275)

Rat hypothalamus; Long-term culture; GABA; Vasopressin; mRNA (Wahle, P. (611) 37)

Sympathetic ganglion; Transmitter store; Synapse (Zhang, C. (611) 279)

Acetylcholine; *N*-Methyl-D-aspartate; Hippocampus; Aging; Long-term potentiation; Long-term depression (Pang, K. (632) 150)

δ Opioid peptide
Gonadotropin-releasing hormone; Prostaglandin E_2; Leukotriene; Male rat (Gerozissis, K. (626) 219)

Opioid receptor
Nervous system; Enkephalin; Growth; Development; Cerebellum; Brain; Zeta (ζ) receptor; Biochemistry; Protein chemistry (Zagon, I.S. (605) 50)

Cytokine; Interleukin-1; Luteinizing hormone; Opioid; Corticotrophin releasing hormone; Luteinizing hormone pulse (Bonavera, J.J. (612) 1)

Morphine; DPDPE; U-69593; Serotonin; Hippocampus; In vivo microdialysis; Rat (Yoshioka, M. (613) 74)

Morphine; Naloxone; Stress; Analgesia; Tail-flick test (Levesque, D. (617) 176)

Morphine analgesia; Periaqueductal gray; Nucleus reticularis gigantocellularis; Nucleus raphe magnus; Naltrexone; β-Funaltrexamine; Naltrindole (Kiefel, J.M. (624) 151)

Cell proliferation; DNA synthesis; G protein; Neural development; Phosphatidylinositol (Barg, J. (629) 109)

Nervous system; Growth; Opioid growth factor; Development; Brain; Zeta (ζ) receptor; Biochemistry; Antibody; Growth factor; Immunocytochemistry (Zagon, I.S. (630) 295)

Alzheimer's disease; Amygdala; Frontal cortex; Putamen; GTP analog; Autoradiography; Human brain (Barg, J. (632) 209)

δ Opioid receptor
Rat hippocampal slice; CA1; μ Opioid receptor; Electrophysiology; Population spike (Watson, G.B. (601) 129)

Naltrindole subfractionation (Contreras, P.C. (604) 160)

BUBU; Arthritic rat; Chronic pain (Desmeules, J.A. (611) 243)

Aging; Guinea pig; Autoradiography; Motor circuitry (Hiller, J.M. (614) 86)

κ Opioid receptor
Opioid peptide; Ultrastructure; Exocytosis; Mesolimbic; Nigrostriatal; Dense core vesicle (Pickel, V.M. (602) 275)

Footshock stress; Tail flick test; Stress induced analgesia; Mouse; Opioid; Antinociception (Menendez, L. (611) 264)

κ_1 Opioid receptor
Adenosine A_1 receptor; Alzheimer's disease; Striatum; Autoradiography; Presynaptic (Ikeda, M. (616) 211)

μ Opioid receptor
Rat hippocampal slice; CA1; δ Opioid receptor; Electrophysiology; Population spike (Watson, G.B. (601) 129)

Morphine; Conditioned place preference; CXBK mouse; Naloxonazine; Reinforcement; Dopamine D_1 receptor (Suzuki, T. (602) 45)

Opioid antagonist; κ receptor; δ Opiod receptor; Saccharin; Maltose dextrin; Sucrose; Palatability (Beczkowska, I.W. (618) 261)

Dopamine; Locomotor activity; Morphine; Pertussis toxin (Funada, M. (619) 163)

Alcohol intake; Naltrindole; β-Funaltrexamine; Naltrexone; Opiate receptor; Delta; Mouse (Lê, A.D. (630) 330)

σ Opioid receptor
Alzheimer's disease; Autoradiography; 1,3-Di-*o*-tolylguanidine; Human hippocampus (Jansen, K.L.R. (623) 299)

∂ Opioid receptor
Microdialysis; Dopamine; Opioid; Ventral tegmental area; Nucleus accumbens (Devine, D.P. (622) 348)

μ ∂ and κ Opioid receptors
Calcitonin gene-related peptide; Spinal cord; In vivo release; Morphine (Collin, E. (609) 211)

Opioid system
Nitric oxide; Antinociception; Inbred and outbred mouse strains (Quock, R.M. (614) 52)

Optical density
Testosterone; Steroid receptor; Steroid abuse; Athlete; Castration; Intact; Immunocytochemistry (Menard, C.S. (622) 226)

Optical recording method
Sensory neocortex; Guinea pig; Epilepsy; Spread; Voltage-sensitive dye (Albowitz, B. (631) 329)

Optic nerve
Nitric oxide synthase; Retina; Pterygopalatine ganglion; Denervation; Rat (Yamamoto, R. (631) 83)

Optomotor response
Flatfish; Central nervous system; Centrifugal visual system; Visual–vestibular coordination (Meyer, D.L. (601) 308)

o-rab3
Synaptic vesicle; Synaptic vesicle protein; Synaptic vesicle purification; Proton ATPase; Synaptotagmin; Vamp; SV2 (Miller, K.G. (616) 99)

Orbicularis oculi
Eyelid movement; Blink; Levator palpebrae superioris; Oculomotor (Porter, J.D. (609) 159)

Orbicularis oris
Perioral reflex; Active force; Mechanical stimulation; Skin contactor; Electromyography; Infant; Child; Adult (Barlow, S.M. (623) 181)

Orbital cortex
Periaqueductal gray; Dorsal raphe nucleus; Serotonin; Trigeminal nucleus; Nucleus accumbens; Amygdala; Rat (Li, Y.-Q. (623) 267)

Organ explant
Corticotropin-releasing hormone; Arginine vasopressin; IL-1; α Melanocyte-stimulating hormone (Zelazowski, P. (631) 22)

Organ of Corti
Modiolus; Muscarinic autoreceptor; Inositol phosphate (Bartolami, S. (626) 200)

Organum vasculosum laminae terminalis
Endotoxin; Interleukin-1β; Fever and in situ hybridization (Nakamori, T. (618) 155)

Organum vasculosum of lamina terminalis
Luteinizing hormone-releasing hormone; Immunocytochemistry; Amitriptyline; Antidepressant; Behavior (Jain, M.R. (604) 7)

Ornithine decarboxylase
α-Difluoromethylornithine; Hippocampus; CA1; Putrescine; γ-Aminobutyric $acid_A$ (Ferchmin, P.A. (601) 95)

Orthostatic hypotension
Vestibular system; Respiration; Posture; Sympathetic nervous system; Cardiovascular regulation (Yates, B.J. (629) 209)

Oscillation
Interleukin 1; Interferon; Tumor necrosis factor; Glia; Forskolin; Fura-2; Calcium (Holliday, J. (621) 233)

c-*fos*; Immediate–early gene; Circadian rhythm; Pacemaker; Neuropeptide (Earnest, D.J. (627) 205)

Oscillator
Circadian rhythm; Suprachiasmatic nucleus; Pacemaker; Vasopressin; Cell culture (Watanabe, K. (624) 115)

Oscillator coupling
Chronobiology; Circadian rhythm; Neuroendocrine; Melatonin; Pineal (Aguilar-Roblero, R. (605) 229)

Oscillatory activity
Purkinje cell; Intrinsic property; Hyperpolarization-activated cation current; Zero slope resistance (Chang, W. (614) 335)

Osmolality
Transport kinetics; Cell volume regulation; Amino acid (Beetsch, J.W. (613) 10)

Osmolar stimulus
Hyponatremia; Lactation; Neurohypophysis; Oxytocin (Bononi, P.L. (617) 50)

Osmolyte
Brain solute; Electrolyte; Glutamate; Hyponatremia; Osmoregulation; Volume regulation (Verbalis, J.G. (606) 19)

Osmoreceptor
Hepatic; Portal; Vagus; Dorsal motor nucleus of the vagus; Rat (Kobashi, M. (632) 174)

Osmoregulation
Brain solute; Electrolyte; Glutamate; Hyponatremia; Osmolyte; Volume regulation (Verbalis, J.G. (606) 19)

Osmotic effect
Ion channel; Hypoglycemia; Whole-cell patch-clamp; Dissociated neuron (Somjen, G.G. (632) 180)

Osmotic minipump
Anticonvulsant; Antibody; Hippocampus; Kindling; Rat; Seizure; Somatostatin (Monno, A. (602) 148)

Plasma nicotine; Nicotine binding site; Striatum; Cortex; Hippocampus (Sanderson, E.M. (617) 349)

Osmotic treatment
Blood–brain barrier; Intra-carotid injection; Liposome; Sulfatide (Sakamoto, A. (629) 171)

Otolith organ
Vestibular system; Semicircular canal; Rostral ventrolateral medulla; Sympathetic nervous system; Spinal cord; Cardiovascular regulation (Yates, B.J. (601) 255)

Ouabain
Na^+,K^+-ATPase; Aldosterone; Cochlea; Vestibule; Receptor (Pitovski, D.Z. (601) 273)

Flunarizine; Glutamate release; Ca^{2+} channel; Na^+ channel; Veratridine; Tetrodotoxin (Cousin, M.A. (606) 227)

Cerebellar granule cell; Dendrite; Energy metabolism; Glucose; Neuron; Potassium (Peng, L. (629) 331)

Na^+,K^+-ATPase; Sodium pump; Immunoblotting; Immunohistochemistry; Telencephalic culture (Brines, M.L. (631) 1)

Outer hair cell
Whole-cell patch clamp technique; Fura-2; Hyperpolarization; Hyposmotic activation (Harada, N. (614) 205)

Outward current
Rat; Cortical neuron; Nystatin-perforated patch recording; Kainate (Omura, T. (627) 345)

Ovalbumin
Dorsal root ganglia; Chicken; Neurofilament; Immunohistochemistry (Williams, R. (627) 354)

Ovarian steroid
Estrogen; Progesterone; Opioid; Analgesia (Dawson-Basoa, M.B. (601) 241)

Electrophysiology; Brainstem slice; Nucleus tractus solitarii; Estradiol; Progesterone; Dorsal motor nucleus of the vagus (Tolchard, S. (609) 21)

Ovariectomy
Amphetamine; Estrogen; Castration; Dopamine release; Stereotyped behavior; Quantitative microdialysis (Castner, S.A. (610) 127)

Overeating
Galanin; Hypothalamus; Obesity; Growth hormone; Insulin; Hypothalamo-pituitary-adrenal axis; Fasting (Beck, B. (623) 124)

Ovulatory cycle
Luteinizing hormone; Hypothalamus; Reproductive function; Immune system; Stress mechanism; Transcription factor; Immunocytochemistry; Push–pull (Rivest, S. (613) 132)

β-Oxalylamino-L-alanine
NADH-dehydrogenase; Brain slice; Quinoxalinediones; Excitatory amino acids; Glutamate receptor; Excitotoxin (Pai, K.S. (621) 215)

Oxgyen radical
Kainic acid; Excitotoxicity; Lipid peroxidation; Oxidative stress; Antioxidant; Cerebellar granule cell (Puttfarcken, P.S. (624) 223)

Oxidation
Aging; Alzheimer's disease; Cytoskeleton; Tau (Troncoso, J.C. (613) 313)

Oxidative metabolism
Ca^{2+} antagonist; Brain neuron; 2′,7′-Dichlorofluorescin diacetate; Ischemic brain damage (Oyama, Y. (610) 172)

Voltage-dependent Ca^{2+} current; Central nervous system neuron; Diphenylpiperazine derivative Ca^{2+} antagonist; KB-2796; Flunarizine (Akaike, N. (619) 263)

Oxidative phosphorylation
Glucose; Lactate; Hypoxia; Hippocampus; Ion transport; Energy metabolism (Roberts Jr., E.L. (620) 251)

Oxidative stress
Excitotoxicity; Free radical; Reactive oxygen species; Glutamate (Bondy, S.C. (610) 229)

Kainic acid; Excitotoxicity; Lipid peroxidation; Oxgyen radical; Antioxidant; Cerebellar granule cell (Puttfarcken, P.S. (624) 223)

Parkinson's disease; Iron; Mitochondria; Cultured cell; PC12 (Hartley, A. (627) 349)

Oxotremorine
Nifedipine; Physostigmine; Nociception; Mouse (Pavone, F. (623) 308)

Oxygen
Evoked potential; Cytochrome; Redox state; 4-Aminopyridine; Neuron; Glia; Olfactory cortex slice (Saito, T. (612) 9)

Oxygen radical scavenger
Ascorbate; Dehydro-L-ascorbic acid reductase; Antioxidant defense (Rose, R.C. (628) 49)

Oxypurinol
Ischemia; Ischemia/reperfusion injury; Free radical; Spin trap; Electron spin resonance (Phillis, J.W. (628) 309)

Oxytocin
α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Intrahypothalamic infusion; Paraventricular nucleus; Rat (Van Erp, A.M.M. (607) 108)

Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1C} receptor; Serotonin 5-HT_2 receptor; Vasopressin; Male rat; Buspirone; DOI; Ipsapirone; 8-OH-DPAT; Ritanserin; NAN-190 (Bagdy, G. (611) 330)

Anorexia nervosa; Vasopressin; Dynorphin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Dorsal vagal complex; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Hyponatremia; Lactation; Neurohypophysis; Osmolar stimulus (Bononi, P.L. (617) 50)

c-fos; Fos immunoreactivity; Interleukin-1; Hypothalamus; Vasopressin (Chang, S.L. (617) 123)

Norepinephrine release; Estradiol; Progesterone; Ventromedial hypothalamus; Lordosis; Prazosin (Vincent, P.A. (620) 189)

Oxytocin level
Galanin; Intrathecal injection; Mechanical nociception; Thermal nociception; Immunohistochemistry (Lundeberg, T. (608) 181)

Oxytocin-like
FMRFamide-like; Sex segmental ganglia; Leech; Immunocytochemistry; Immunoassay; Reverse phase HPLC; Anti-diuretic effect (Salzet, M. (601) 173)

Oxytocin receptor
Lactation; Pregnancy; Electrophysiology; In vitro slice; Limbic system; Maternal behavior; Milk ejection (Ingram, C.D. (602) 325)

P

p34^{cdc2}
cdc2 kinase; cdc2-related protein kinase; Nucleolus; Nervous system; Endocrine system; Immunohistochemistry (Ino, H. (614) 131)

P300
P3; Evoked potential; Hippocampus; Rat; CA1 region (Caudle, R.M. (613) 247)

P300; Evoked potential; Hippocampus; Rat; CA1 region (Caudle, R.M. (613) 247)

Pacemaker
Neuropeptide Y; Suprachiasmatic nucleus; Circadian rhythm; Brain slice; Intergeniculate leaflet; Rat (Medanic, M. (620) 281)

Circadian rhythm; Suprachiasmatic nucleus; Oscillator; Vasopressin; Cell culture (Watanabe, K. (624) 115)

c-fos; Immediate–early gene; Circadian rhythm; Oscillation; Neuropeptide (Earnest, D.J. (627) 205)

Pain
Naked mole-rat; Formalin test; Opioid; Non-opioid (Kanui, T.I. (600) 123)

Nucleus raphe magnus; Nociception; Serotonin; Sensory trigeminal nucleus; Spinal cord; Rat (Li, Y.-Q. (602) 331)

Retrograde transport; Rostral ventral medulla; Parapyramidal region; Cardiovascular regulation; Locus ceruleus (Van Bockstaele, E.J. (603) 1)

Opiate analgesia; Periacqueductal gray; Nucleus paragigantocellularis; Tonic descending inhibition (Rosenfeld, J.P. (605) 57)

Rostroventral medulla; Caudal ventrolateral medulla; Descending pathway; Nociception (Murphy, A.Z. (606) 68)

Peripheral nerve injury; Hyperalgesia; Spinal cord; NMDA antagonist; Sciatic nerve; Neuropathy (Garrison, C.J. (607) 205)

Periaqueductal gray; Nucleus raphe magnus; Principal sensory trigeminal nucleus; Caudal spinal trigeminal nucleus; Rat; *Phaseolus vulgaris* leucoagglutinin; Wheat germ agglutinin–horseradish peroxidase (Li, Y.-Q. (608) 138)

Serotonin; Periaqueductal gray; Anxiety; 8-OH-DPAT (Behbehani, M.M. (612) 56)

Microdialysis; Aspartate; Glutamate; Glycine; Serotonin; Monoamine; Spinal cord; Endogenous analgesia system (Sorkin, L.S. (618) 95)

Morphine; Noradrenaline; α_2-Adrenoceptor; Antinociception; Spinal cord (Xu, X.-J. (621) 267)

Cerebral cortex; CO_2-laser; Evoked potential; Nociception; Somatosensory pathway (Kalliomäki, J. (622) 262)

Cerebral cortex; CO_2-laser; Evoked potential; Nociception; Somatosensory pathway (Kalliomäki, J. (622) 271)

Human thalamus; Ventral posterior nucleus; Microstimulation; Wide dynamic range cell; High threshold cell; Single neuron analysis; Thermoreception (Lenz, F.A. (623) 235)

Superficial dorsal horn; Ventrolateral medulla; c-*fos*; Rat (Tavares, I. (623) 278)

Glutamate; Lateral cervical nucleus; Marginal zone; Nociception (Yezierski, R.P. (624) 304)

Formalin test; Choline acetyltransferase (ChAT); Hippocampus (Aloisi, A.M. (629) 167)

Cannabinoid; Δ^9-Tetrahydrocannabinol; Receptor; Analgesia; Antinociception; Brain; Rat; WIN55,212-2; CP-55,940 (Martin, W.J. (629) 300)

Ectopic firing; Nerve injury; Neuroma; Sprouting (Amir, R. (630) 283)

Thalamocortical; Spinal cord; Ascending projection; Nociceptive (Stevens, R.T. (631) 241)

Glucocorticoid receptor; Corticosteroid; Immunocytochemistry; Immediate early gene; C-fiber stimulation; Nociception; Primary sensory neuron (Cintra, A. (632) 334)

Pain measurement
Negative mucosal potential; Trigeminal nerve; Chemoreception; Peripheral nociceptive response; Blood flow; Autonomic reflex (Thürauf, N. (629) 293)

Pain sensation
Salmon calcitonin; Brain mapping; Body temperature; Intracerebral injection (Sellami, S. (616) 307)

Paired helical filament
Entorhinal cortex; Dorsal raphe nucleus; Double-antigen immunohistochemistry; Hippocampus; Locus coeruleus; Neurofibrillary tangle (Duong, T. (603) 74)

Gerstmann–Sträussler–Scheinker disease; Alzheimer's disease; Neurofibrillary tangle; Tau; A68 (Tagliavini, F. (616) 325)

Alz-50; Amyloid β-protein; Immunocytochemistry; Neuropeptide; Pathogenesis; Senile plaque (Benzing, W.C. (619) 55)

Axonal dystrophic neurite; Tau; Hippocampal formation; Immunocytochemistry; Neuropathology; Alzheimer's disease (Su, J.H. (625) 228)

Paired-pulse depression
Sprouting; Denervation; Hippocampus; Autoradiography; PIA; Adenosine A_1 receptor; Perforant path (Kahle, J.S. (609) 201)

Paired-pulse facilitation
Dentate gyrus; Hippocampus; Evoked response; *N*-Methyl-D-aspartate receptor; MK-801; Rat (Joy, R.M. (604) 273)

Long-term potentiation; Hippocampus; Glutamate receptor; Channel kinetics; Decay time constant; Release kinetics (Ambros-Ingerson, J. (620) 237)

Autoreceptor; Positive feedback; Excitatory amino acid; Transmitter release; Magnesium (Nakamura, F. (622) 307)

Paired-pulse facilitation and inhibition
Long-term potentiation; Fimbria; Lateral septum; Aging; Mouse (Garcia, R. (620) 229)

Palatability
Benzodiazepine; Bretazenil; Ro 15-4513; Ro 17-1812; Salt (Cooper, S.J. (612) 313)

Opioid antagonist; μ Opioid receptor; κ receptor; δ Opiod receptor; Saccharin; Maltose dextrin; Sucrose (Beczkowska, I.W. (618) 261)

Pallidum
GABA; Parvalbumin; LANT6; Co-occurrence; Substantia nigra; Pigeon; Monkey (Reiner, A. (624) 317)

PAP immunoreaction
Endogenous morphine; Endogenous codeine; Indirect immunofluorescence; Microautoradiography (Bianchi, E. (627) 210)

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Spectral analysis; PGO-on neuron; $1/f$ fluctuation; Cat (Sei, H. (612) 351)

Parallel auditory system
Auditory evoked potential; Auditory cortex; Anesthesia; Rat (Simpson, G.V. (602) 251)

Parallel fiber
Calretinin; Calcium-binding protein; Cerebellum; Granule cell; Mossy fiber; Puncta adhearentia; Rat (Arai, R. (613) 300)

Cerebellar cortex; Purkinje cell; Intracellular HRP; Immunohistochemistry (Bishop, G.A. (623) 293)

Parapyramidal region
Retrograde transport; Rostral ventral medulla; Cardiovascular regulation; Pain; Locus ceruleus (Van Bockstaele, E.J. (603) 1)

Parasite
Eimeria vermiformis; Opioid analgesia; Multiple opioid systems; μ Opioid; δ Opioid; κ Opioid; Parasite modifications of host behavior (Kavaliers, M. (623) 316)

Parasite modifications of host behavior
Eimeria vermiformis; Parasite; Opioid analgesia; Multiple opioid systems; μ Opioid; δ Opioid; κ Opioid (Kavaliers, M. (623) 316)

Parasympathetic
Autonomic nervous system; Sympathetic; Renin-angiotensin; Kidney; Rat (Holmes, P.V. (621) 1)

Parasympathetic nervous system
Autonomic nervous system; Dorsal vagal nucleus; Insulin regulation; Pseudorabies virus; Vagus nerve; Ventral medulla; Viral transneuronal labeling (Loewy, A.D. (620) 323)

Paraventricular and supraoptic nucleus
Prostaglandin E_2; Endotoxin; Brain microvasculature; Choroid plexus (Van Dam, A.-M. (613) 331)

Paraventricular hypothalamic nucleus
Noradrenaline; Neuropeptide Y; Coexistence; Synaptic inputs; Nucleus preopticus medianus; Retrograde tracing; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Paraventricular nucleus
Brown adipose tissue; Ventromedial hypothalamic nucleus; Lateral hypothalamic area; Dorsomedial hypothalamic nucleus; Preoptic area (Yoshimatsu, H. (601) 121)

Neuropeptide Y; Feeding behavior; Anti-NPY γ-globulin; Immunoneutralization; Arcuate nucleus (Shibasaki, T. (601) 313)

Adrenocorticotropic hormone; α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Intrahypothalamic injection; Rat; Scratching (Van Erp, A.M.M. (603) 296)

Median preoptic nucleus; Neural connection; Baroreceptor; Blood pressure control; Electrophysiology (Tanaka, J. (605) 338)

Microdialysis; Norepinephrine; Feeding cycle (Paez, X. (606) 167)

α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Intrahypothalamic infusion; Oxytocin; Rat (Van Erp, A.M.M. (607) 108)

Subfornical organ; Hemorrhage; Angiotensin II; Saralasin; Microiontophoresis; Baroreceptor reflex (Tanaka, J. (608) 141)

Supraoptic nucleus; Alzheimer's disease; Hypothalamus; Human; Morphometry (De Lacalle, S. (609) 154)

6-Hydroxydopamine; Catecholamine; Social interaction test; Stress corticosterone; Allotetrahydrodeoxycorticosterone (Kellogg, C.K. (609) 244)

Spinally projecting neuron; Rostral ventrolateral medulla; Fos; Hemorrhage (Badoer, E. (610) 216)

Neuropeptide Y; Corticotropin-releasing factor; Feeding; Ventromedial hypothalamus; Dexamethasone; α-Helical CRF_{9-41}; Rat (Heinrichs, S.C. (611) 18)

Calcitonin gene-related peptide; Immunocytochemistry; Pituitary gland; Sheep; Supraoptic nucleus (Herbison, A.E. (611) 147)

Immunoreactive insulin; Hypothalamus; Ventromedial nucleus; Microdialysis; Genetically obese Zucker rat (Gerozissis, K. (611) 258)

Spontaneously hypertensive rat; Brown adipose tissue; Prostaglandin E_2 (Bhatnagar, S. (613) 285)

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Dorsal hippocampus; CRF-41; Corticosterone; Dexamethasone; Photic stimulation (Feldman, S. (614) 227)

Electrophysiology; Corticotropin-releasing factor; 8-OH-DPAT; Serotonin $5\text{-}HT_{1A}$ receptor (Saphier, D. (615) 7)

Electrophysiology; Cholecystokinin; Tuberoinfundibular neuron; Rat (Jin, Y. (617) 151)

Monoclonal antibody to CRF; Ventromedial hypothalamus; Ricin A chain; Corticotropin-releasing factor radioimmunoassay; Food intake; Neuropeptide Y; Dexamethasone (Menzaghi, F. (618) 76)

Calcium-binding protein; Calretinin; Calbindin-D28k; Parvalbumin; Supraoptic nucleus; Rat (Arai, R. (618) 323)

Corticotropin-releasing factor; Thyrotropin-releasing hormone; Synapse; Double immunolabeling; Electron microscopy; Hypothalamus; Rat (Hisano, S. (620) 343)

Neuropeptide Y; Arcuate nucleus; Suprachiasmatic nucleus; 2-Deoxy-D-glucose; Mercaptoacetate; Feeding behavior (Akabayashi, A. (621) 343)

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Estradiol; Anisomycin; Protein synthesis; Food intake; Body weight; Lordosis (Butera, P.C. (624) 354)

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Repeated stress; Corticotropin-releasing hormone; Vasopressin; Adrenocorticotropin; Glucocorticoid (Kiss, A. (630) 262)

Carbohydrate; Neuropeptide Y; Arcuate nucleus; Macronutrient; Dorsomedial nucleus; Body weight; Feeding (Jhanwar-Uniyal, M. (631) 97)

Hypothalamus; Aging; Alzheimer's disease; Activation; Microwave; Golgi apparatus; Supraoptic nucleus (Lucassen, P.J. (632) 105)

Hypothalamic graft; Alcohol consumption; Angiotensin II immunoreactivity; Subfornical organ; Rapp SS/Jr rat (Lança, A.J. (632) 287)

Calcium-binding protein; Calbindin-D28k; Vasopressin; Coexistence; Supraoptic nucleus; Rat (Arai, R. (632) 342)

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Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

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Paresthesia
Carbonic anhydrase; Nociception; Chemonociception; Chemoreceptor; Irritation (Komai, M. (612) 122)

Paridae and corvidae
Calbindin-like immunoreactivity; Hippocampal formation; Interneuron; Projection neuron; Food-storing behaviour (Montagnese, C.M. (614) 291)

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El mouse; Epilepsy; Generalization; Hippocampus; Depth EEG (Ishida, N. (608) 52)

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Alzheimer's disease; Huntington's disease; Dystrophic neurite; Pick's disease; Neurodegenerative disease (Benzing, W.C. (606) 10)

Tyrosine hydroxylase; Quantitative immunohistochemistry; In situ hybridization (Kastner, A. (606) 341)

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Autoradiography; Dopamine transporter; Cocaine receptor; PET imaging (Kaufman, M.J. (611) 322)

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[^{3}H]Paroxetine
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Pars tuberalis
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Laterodorsal tegmental nucleus; Choline acetyltransferase; MPTP; Monkey (Herrero, M.T. (624) 281)

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Pedunculopontine tegmental nucleus
Basal forebrain; Thalamus; Dorsal raphe nucleus; Acetylcholine; Serotonin; Immunohistochemistry; Retrograde labeling (Losier, B.J. (604) 41)

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Peptide T
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Peptidylglycine α-amidating monooxygenase
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Perfluorocarbon
Cerebral vasculature; ATP; Peptide (Domer, F.R. (630) 88)

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Periaqueductal gray
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Perineurial recording
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Peripheral nerve
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Conduit; Neurotropism; Nerve graft; Nerve regeneration (Maeda, T. (618) 196)

Synaptophysin (p38); Vesicle; Sprout; Node of Ranvier; Nerve regeneration (Okajima, S. (631) 133)

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Peripheral nerve injury
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Acetylcholine; G protein; Muscarinic receptor; Hippocampus; Cell culture (Brown, L.D. (612) 200)

Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Phenylbiguanide; Calcium; Calcium ionophore; Phorbol ester; Protein kinase C (Edwards, E. (617) 113)

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$GABA_B$ receptor; Antinociception; Nucleus raphe magnus; Spinal cord; L-Glutamate; CGP 35348; Methysergide (McGowan, M.K. (607) 39)

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Carbamazepine; Cocaine; Pharmacokinetic; Inbred mouse strain; Seizure; Anticonvulsant; Cytochrome P-450 (Marley, R.J. (600) 193)

Behavior genetics; Selected mouse line; Convulsion; *N*-Methyl-D-aspartic acid; Ethanol; Ethanol withdrawal (Kosobud, A.E. (610) 176)

Pharmacokinetic
Carbamazepine; Cocaine; Pharmacogenetics; Inbred mouse strain; Seizure; Anticonvulsant; Cytochrome P-450 (Marley, R.J. (600) 193)

Pharmacological interaction
Radial maze; Propranolol; Atenolol; Scopolamine; Rat (Ohta, H. (622) 353)

Pharmacology of neuronal nicotinic acetylcholine receptor
Regulation of neuronal nicotinic acetylcholine receptor; Ciliary ganglion neuron (Spitsbergen, J.M. (615) 128)

Pharyngeal branch of the glossopharyngeal nerve
Taste; Cardiovascular response; Nasopharynx (Hanamori, T. (619) 214)

Phase-dependent modulation
Human gait; Sural nerve; Reflex gain; Task dependency; Automatic gain compensation; Exteroceptive reflex; Biceps femoris; Tibialis anterior (Duysens, J. (613) 230)

***Phaseolus vulgaris* leucoagglutinin**
Periaqueductal gray; Nucleus raphe magnus; Principal sensory trigeminal nucleus; Caudal spinal trigeminal nucleus; Pain; Rat; Wheat germ agglutinin–horseradish peroxidase (Li, Y.-Q. (608) 138)

Antinociception; Dopamine β-hydroxylase; Fluoro-Gold; Norepinephrine; Pons; Retrograde tracer; Tyrosine hydroxylase (Clark, F.M. (616) 200)

Medial geniculate body; Afferent axon; Anterograde transport; Biocytin (McMullen, N.T. (620) 317)

Edinger–Westphal efferent; Anterograde tracing; Electron microscopy (Klooster, J. (632) 260)

Phase response curve
Suprachiasmatic nucleus; Circadian rhythm; Neuropeptide Y; Retinohypothalamic tract; Single unit; Geniculohypothalamic tract (Shibata, S. (615) 95)

Phase shift
Circadian rhythm; Immediate early gene; Ganglion cell layer; Suprachiasmatic nucleus; Light induction; Endogenous expression (Chambille, I. (612) 138)

Circadian; Histamine; Light; Suprachiasmatic; Tuberomammillary (Cote, N.K. (613) 149)

Phase-shift
Benzodiazepine; Chlordiazepoxide; Circadian; Hamster; Wheel-running (Biello, S.M. (622) 58)

Phencyclidine
Sigma receptor; Psychomotor stimulant; Deoxyglucose; Cerebral glucose metabolism (Della Puppa, A. (603) 38)

Nucleus accumbens; Social behavior; Locomotion; Stereotypy; Ataxia; Dopamine (Steinpreis, R.E. (612) 263)

MK-801; Dizocilpine; Glutamate; GABA (Hönack, D. (620) 167)

Phencyclidine-like
NMDA; Polyamine; Glutamate; Glycine; Cannabinoid; $^{45}Ca^{2+}$ influx (Nadler, V. (622) 79)

Phenobarbital
Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

5α-Pregnan-3α-ol-20-one; Progesterone; Anticonvulsant; Epilepsy; Immunocytochemistry (Taubøll, E. (623) 329)

Phentolamine
Idazoxan; Locus coeruleus; Norepinephrine; Sprague–Dawley substrain; Yohimbine (West, W.L. (626) 127)

Phenylbiguanide
Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Calcium; Calcium ionophore; Phorbol ester; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Phenylephrine
Vasopressin; Antidiuretic hormone; Prostaglandin; Dopamine receptor; Adrenoreceptor; Meclofenamate; Angiotensin II; Brain (Yamaguchi, K. (607) 149)

Phenylethanolamine *N*-methyltransferase
Nitric oxide synthase; Intermediolateral column; Ventral medullary surface; Double labelling (Iadecola, C. (603) 173)

c-Fos; Tyrosine hydroxylase; Serotonin; Nucleus tractus solitarii; Ventrolateral medulla (Dun, N.J. (608) 223)

Dopamine β-hydroxylase; Dentate gyrus; Entorhinal cortex; Hippocampal formation; Transgenic mice; Electron microscopic immunocytochemistry (Arai, R. (621) 141)

Mouse; Adrenal; Medulla; Nerve growth factor; Putamen; Neurofilament; Dopamine; Immunocytochemistry; Synapse (Jousselin-Hosaja, M. (627) 275)

Phenytoin
Cytoskeleton; Hippocampal neuron; Cell viability (Bahn, S. (615) 160)

Thiamine; Thiamine phosphoesters; Nervous system; Compartmental model; Metabolism *in vivo* (Patrini, C. (628) 179)

Pheochromocytoma
PC12; Ethanol; Calcium flux; Patch clamp; Tolerance (Grant, A.J. (600) 280)

PHF-tau
Fetal tau; Phosphate content; Phosphorylation (Kenessey, A. (629) 40)

Phodopus sungorus
Melatonin; Circadian rhythm; Suprachiasmatic nucleus; SCN; Pineal gland (Margraf, R.R. (609) 45)

Phorbol ester
Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Phenylbiguanide; Calcium; Calcium ionophore; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Protein kinase C; Protein kinase A; Nerve growth factor; Fibroblast growth factor; Alcohol (Roivainen, R. (624) 85)

Phorbol ester-activated Cl^- current
Dendritic spine protein; LTP-associated protein; Intracellular Ca^{2+} (Cohen, R.W. (627) 147)

Phosphate content
Fetal tau; PHF-tau; Phosphorylation (Kenessey, A. (629) 40)

Phosphatidylinositol
Cell proliferation; DNA synthesis; G protein; Neural development; Opioid receptor (Barg, J. (629) 109)

Phosphatidylinositol-specific phospholipase C
Acetylcholine; Choline-*O*-acetyltransferase; Cross reacting determinant; Glycosyl-phosphatidylinositol; Glycosylphosphatidylinositol-specific phospholipase C; Hippocampus; Rat brain (Smith, L.K. (605) 155)

Phosphoinosite metabolism
Neuronal cell culture; Brain-derived neurotrophic factor; Neurotrophin-3; K-252b; Basic fibroblast growth factor; Survival (Widmer, H.R. (614) 325)

Phosphoinositide
Photoreceptor; Cone; Synaptic ribbon; Ca^{2+} (Schmitz, F. (604) 142)

Kindling; Cocaine; Lidocaine; Anesthetic; Sodium; Batrachotoxin; Ibotenate (Margolis, R.L. (614) 185)

Astrocyte; Glutamate; *t*-ACPD; Inositol phosphate; Metabotropic; Defined medium (Miller, S. (618) 175)

Phosphoinositide hydrolysis
Amyloid β protein; Substance P; UC-11MG astrocytoma cell (Di Stefano, M. (600) 166)

Polyphosphoinositide; Serotonin; 2-Methylserotonin; Phenylbiguanide; Calcium; Calcium ionophore; Phorbol ester; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Neurotensin; Long sleep (LS) mouse; Short sleep (SS) mouse; Ethanol (Erwin, V.G. (629) 59)

Phosphoinositide-linked receptor
Adrenoceptor; Alzheimer's disease; Cortical pyramidal neuron; $GABA_A$ receptor; Kainate receptor; Muscarinic receptor (Chessell, I.P. (632) 86)

Phosphoinositide metabolism in vivo
Cholinergic agonist and antagonist; Pilocarpine; Atropine; Inositol phosphate; Mouse cerebrum; Mouse Cerebellum (Lin, T.-A. (622) 169)

Phosphoinositide response
Astrocyte; Differentiation; Norepinephrine; α_1-Adrenergic receptor (Fahrig, T. (602) 318)

Phosphoinositol hydrolysis
Substance P; Neurokinin A; Senktide; Hypothalamus; Tachykinin receptor antagonist (Lebrun, C.J. (632) 74)

Phospholipase
Glutamate; Receptor; Synaptoneurosome; Plasticity (Bernard, J. (628) 340)

Phospholipase A_2
Choline; Hypoxia; Phospholipase D (Klein, J. (630) 337)

Phospholipase C
Astrocyte; Calcium; Inositol polyphosphate; Lead; Norepinephrine (Dave, V. (618) 9)

Phospholipase D
Choline; Hypoxia; Phospholipase A_2 (Klein, J. (630) 337)

Phosphoprotein
cAMP protein kinase; RII binding protein; Stable microtubule; Cerebral cortex; Rat (Perez, J. (602) 77)

Phosphorylation; Circadian; Suprachiasmatic nucleus; Immunohistochemistry (Mikkelsen, J.D. (623) 147)

Phosphorylated neurofilament
Axotomy; Rat; Dorsal motor nucleus; Hypoglossal nucleus (Yamada, E. (612) 210)

Axon reaction; Axotomy; Cell body; Dorsal root ganglion; Ola mice; Trophic; Wallerian degeneration (Gold, B.G. (626) 23)

Phosphorylation
Primary afferent neuron; Neurofilament; Immunocytochemistry; Cell profile size; Cat (Perry, M.J. (607) 307)

MAP kinase; ERK2; Tau (Trojanowski, J.Q. (618) 333)

Circadian; Phosphoprotein; Suprachiasmatic nucleus; Immunohistochemistry (Mikkelsen, J.D. (623) 147)

Dorsal root ganglion cell; Calcium-activated non-selective channel; Calcium activation (Razani-Boroujerdi, S. (623) 195)

Sympathetic ganglion; M-current; Inositol 1,4,5-trisphosphate; Calcium; Potassium current; Patch-clamp; Muscarinic receptor (Chen, H. (625) 323)

Carbon disulfide; CaM kinase II; Cytoskeletal protein (Wilmarth, K.R. (628) 293)

Fetal tau; PHF-tau; Phosphate content (Kenessey, A. (629) 40)

Photic response
Hamster; Intergeniculate leaflet; Entrainment; Serotonin; Melatonin; 5-HT receptor; Microiontophoresis (Ying, S.-W. (628) 8)

Photic stimulation
Dorsal hippocampus; Paraventricular nucleus; CRF-41; Corticosterone; Dexamethasone (Feldman, S. (614) 227)

Photoaffinity labeling
Alcoholic; Guanine nucleotide binding protein; Immunoblotting; Ethanol; Transmembrane signaling (Ozawa, H. (620) 174)

Photoconversion
Nerve crush; Axoplasmic transport; Fluorescent tracer; Diaminobenzidine; Ranvier's node; Axon–Schwann cell network (Persson, H.G. (630) 115)

Photoperiod
Melatonin; Circadian rhythm; Light; 6-Sulphatoxymelatonin; Metabolite (Kennaway, D.J. (603) 338)

Circadian rhythm; Entrainment; Light; Melatonin; Human (Illnerová, H. (626) 322)

Photoreceptor
Cone; Synaptic ribbon; Ca^{2+}; Phosphoinositide (Schmitz, F. (604) 142)

Second messenger; Transduction; Crayfish; Calcium; Inositol trisphosphate; GTP; Caudal photoreceptor (Kruszewska, B. (618) 32)

Serotonin; Discrete wave; *Hermissenda*; Enhancement; Poisson process (Crow, T. (628) 305)

Phrenic nucleus
Spinal cord injury; Functional recovery; Motor system; Respiration; Ultrastructure (Goshgarian, H.G. (600) 169)

Physical activity or running exercise
Hippocampus; Protein kinase C; Mouse; Spatial learning (Fordyce, D.E. (619) 111)

Physical stress
Cocaine; Self-administration; Reinforcement; Development; Stress; Emotional stress; Footshock; Rat (Ramsey, N.F. (608) 216)

Physostigmine
Nucleus basalis magnocellularis; 2-Deoxy-D-glucose; Cholinergic system; Nicotine; Arecoline; Rat (De Micheli, E. (615) 80)

Nifedipine; Oxotremorine; Nociception; Mouse (Pavone, F. (623) 308)

PIA
Sprouting; Denervation; Hippocampus; Autoradiography; Adenosine A_1 receptor; Perforant path; Paired-pulse depression (Kahle, J.S. (609) 201)

R-PIA
Amino acid; Theophylline; Veratridine; Cerebral ischemia; Microdialysis (Heron, A. (608) 27)

Pia mater
Rat; Ventral root; Afferent; Axon; Immunohistochemistry; Substance P; Calcitonin gene-related peptide (Karlsson, M. (600) 298)

Pick's disease
Alzheimer's disease; Huntington's disease; Dystrophic neurite; Parkinson's disease; Neurodegenerative disease (Benzing, W.C. (606) 10)

Picolinic acid
Kainic acid; Striatum; Glutamate release (Vrooman, L. (627) 193)

Picrotoxin
γ-Aminobutyric acid; γ-Butyrolactone; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric acid receptor (Holland, K.D. (615) 170)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Heart rate; Respiration (Shekhar, A. (627) 9)

Pig
Interleukin-1; Hypothalamus; Neuron; Endothelium; Glia (Molenaar, G.J. (608) 169)

Pigeon
Immunocytochemistry; Telencephalon; Tegmentum; Substantia nigra; Area ventralis tegmentalis; Neostriatum; Retrograde tracing (Waldmann, C. (600) 225)

GABA; Parvalbumin; LANT6; Co-occurrence; Pallidum; Substantia nigra; Monkey (Reiner, A. (624) 317)

Pilocarpine
Phosphoinositide metabolism in vivo; Cholinergic agonist and antagonist; Atropine; Inositol phosphate; Mouse cerebrum; Mouse Cerebellum (Lin, T.-A. (622) 169)

Nicotine; Nucleus basalis lesion; Neuronal density; GABA uptake (Sjak-Shie, N.N. (624) 295)

Pinch
Analgesia; Immobility; Animal hypnosis; Somatic sensory stimulation; Repeated noxious stimulation (Fleischmann, A. (601) 28)

Pindolol
Serotonin receptor; Serotonin antagonist; LY 53,857; MDL 7222 (Parsons, L.H. (606) 195)

Pineal
Chronobiology; Circadian rhythm; Neuroendocrine; Oscillator coupling; Melatonin (Aguilar-Roblero, R. (605) 229)

Circadian rhythm; Melatonin; Reverse hemolytic plaque assay; *Anolis* (Pickard, G.E. (627) 141)

Pinealectomy
Constant light exposure; Suprachiasmatic nucleus; Pars tuberalis; Hamster (Duncan, M.J. (631) 107)

Pineal gland
Suprachiasmatic nucleus; Neurophysiology; Melatonin; Constant light; Light–dark cycle; Circadian rhythm (Yu, G.-D. (602) 191)

Suprachiasmatic nucleus; Neurophysiology; Hamster; Melatonin; Circadian rhythm (Rusak, B. (602) 200)

Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Melatonin; Cell culture; Rat (Simonneaux, V. (603) 148)

Deoxyglucose; Autoradiography; Body temperature regulation; Subfornical organ; Median eminence; Hypothalamus; Vasopressin; Epilepsy (Gross, P.M. (606) 135)

Melatonin; Circadian rhythm; Suprachiasmatic nucleus; SCN; *Phodopus sungorus* (Margraf, R.R. (609) 45)

Substance P; Immunohistochemistry; Innervation; Central; Bovine (Møller, M. (611) 347)

Circadian rhythm; Melatonin (Taniguchi, M. (620) 297)

Pinealocyte
Calcium; Norepinephrine; Melatonin; Cyclic nucleotide; *N*-Acetyltransferase; Image analysis (Schaad, N.C. (614) 251)

Piriform cortex
Parvalbumin; Calbindin-D_{28k}; γ-Aminobutyric acid; Co-localization; Basket cell (Kubota, Y. (600) 339)

Long-term potentiation; Memory; Olfactory training (Roman, F.S. (601) 265)

Kindled circuit; Amygdala; Dorsal hippocampus; Frontal cortex (McIntyre, D.C. (615) 1)

Epilepsy; Endopiriform nucleus; Amygdala; Afterdischarge (Wahnschaffe, U. (615) 295)

Kindling; Epilepsy; Amygdala; Perirhinal cortex; Rat; Neural plasticity; Unit (Teskey, G.C. (624) 11)

Kindling; Epilepsy; Perirhinal cortex; Amygdala; In vitro preparation; Electrophysiology (McIntyre, D.C. (624) 268)

Pituitary
U-50,488H; Tolerance-dependence; Dynorphin (1–13); Brain region; Spinal cord; Heart; Adrenal; Kidney (Bhargava, H.N. (600) 151)

Calcitonin gene-related peptide; Immunocytochemistry; Paraventricular nucleus; Sheep; Supraoptic nucleus (Herbison, A.E. (611) 147)

Epidermal growth factor receptor; Dementia; Alzheimer's disease; Endothelial cell; Vasculature; Blood–brain barrier; Epidermis (Styren, S.D. (615) 181)

GRF; Rat; HPLC; Hypothalamus; Proteolysis (Boulanger, L. (616) 39)

Angiotensin II receptor; Angiotensin-converting enzyme; GTPγS; Choroid plexus; Subfornical organ (Tsutsumi, K. (631) 212)

Pituitary adenylate cyclase activating polypeptide
Vasoactive intestinal polypeptide; Sandwich-enzyme immunoassay; Monoclonal antibody; High-performance liquid chromatography; Regional distribution; Central nervous system; Rat (Masuo, Y. (602) 57)

Vasoactive intestinal polypeptide; Melatonin; Pineal gland; Cell culture; Rat (Simonneaux, V. (603) 148)

Vasoactive intestinal polypeptide; Acetylcholine; Release; Tetrodotoxin; Hippocampus; Rat; Microdialysis (Masuo, Y. (611) 207)

Pituitary adrenocortical system
Corticotropin-releasing factor; Sensitization; Amphetamine; Rat (Cador, M. (606) 181)

Place recognition task
Neurosteroid; Memory; Nucleus basalis magnocellularis; Rat (Mayo, W. (607) 324)

Plaque
Neural graft; Alz-50; β-Amyloid; Neurodegeneration; Neurofibrillary tangle; Immunocytochemistry; Hippocampus; Animal model (Stoll, J. (610) 295)

Plasma nerve growth factor
Nerve growth factor; Blood–brain barrier; Development (Fabian, R.H. (611) 46)

Plasma nicotine
Osmotic minipump; Nicotine binding site; Striatum; Cortex; Hippocampus (Sanderson, E.M. (617) 349)

Plasma osmolality
Cardiovascular regulation; Body fluid homeostasis; Angiotensin II; Circumventricular organ (Rosas-Arellano, M.P. (619) 352)

Plasma protein
Choroid plexus; Meninges; CSF; Thyroid hormone; Hyperthyroidism; Hypothyroidism; Thyroxine (Blay, P. (632) 114)

Plasmid gene construct
Retrograde transport; Motoneuron; Gene delivery system (Sahenk, Z. (606) 126)

Plasticity
Regeneration; Dorsal horn; Dorsal column nuclei; Cuneate nucleus; Primate (Florence, S.L. (601) 343)

Activity; Transmitter release; Motor terminal; Calcium; Synapse (Hong, S.J. (605) 121)

Memory; Chick; Synapse; Stereology; Disector (Hunter, A. (605) 251)

Serotonin; Long-term potentiation; Hippocampus; Neuromodulation; Synaptic transmission (Villani, F. (606) 304)

Somatostatin; Somatostatin receptor radioautography; Nucleus basalis; Ibotenic acid (Moyse, E. (607) 154)

Epilepsy; Hippocampus; Kainic acid; Sprouting (Sundstrom, L.E. (609) 321)

Dorsal column nucleus; Primary afferent; Somatosensory; Topographical organization; Metabolism (Crockett, D.P. (612) 41)

Long-term potentiation; Short-term potentiation; Protein kinase C; Metabotropic receptor; *N*-Methyl-D-aspartate receptor; Hippocampus (Otani, S. (613) 1)

Spinal cord; Cat; Onuf's nucleus; Growth-associated protein; Neuritogenesis; Sprouting immunohistochemistry; Motoneuron disease (Nacimiento, W. (613) 80)

Calretinin; Calcium-binding protein; Superior colliculus; Eye enucleation; Retinal deafferentation; Immunohistochemistry; Rat (Arai, M. (613) 341)

Inferior colliculus; Superior colliculus; Avian auditory system; Hearing impairment; Sound localization; Learning (Mogdans, J. (619) 29)

Long-term potentiation; Hippocampus; Temperature; Rat (Bittar, P. (620) 181)

GABA; Spinal cord; Neurectomy; Sciatic nerve; Rat (Castro-Lopes, J.M. (620) 287)

Norepinephrine; α-Adrenoceptor; Prazosin; Locus ceruleus; Vibrissae (Dunn-Meynell, A.A. (623) 25)

Hippocampus; Glutamate; Receptor; Glycine; Long-term potentiation (LTP); Long-term depression (LTD) (Shahi, K. (627) 261)

Dark rearing; Long-term potentiation; Rat; Visual cortex; Current source density (Berry, R.L. (628) 99)

Dendritic spine; Dendrodendritic synapse; Synaptic inhibition; Computer simulation (Antón, P.S. (628) 157)

Aging; Brain; Synaptic adhesion (Bahr, B.A. (628) 286)

Glutamate; Receptor; Synaptoneurosome; Phospholipase (Bernard, J. (628) 340)

Astrocyte; Area dentata; S100β; 5-HT; Immunocytochemistry (Haring, J.H. (631) 119)

Development; Adrenoceptor; Visual cortex (Liu, Y. (632) 274)

Plateau potential
Calcium channel; Burst; Synapse; Electrical coupling; Lobster; Crustacea (Zirpel, L. (617) 205)

***Plp* gene**
Myelin; Rabbit mutant; X-linked; *pt* mutation (Tosic, M. (625) 307)

^{31}P Magnetic resonance spectroscopy
Hypoglycemia; Hyperglycemia; Cerebral ischemia (Tyson, R. (608) 288)

Pneumostome opening
Tactile stimulus; Eversion; Efferent neuron; Snail (Kemenes, G. (612) 16)

^{31}P NMR
^{13}C NMR; Hippocampus; Brain slice; Depolarization (Ting, Y.-L.T. (610) 16)

Poisson distribution
Neurofilament; Axon; Node of Ranvier; Cytoskeleton; Random array (Price, R.L. (607) 125)

Poisson process
Serotonin; Discrete wave; Photoreceptor; *Hermissenda*; Enhancement (Crow, T. (628) 305)

Polarity
Rat; Neuron; Protein sorting; Virus; Electron microscopy (Dotti, C.G. (610) 141)

Polyamine
Myoneural junction; Muscle spindle; Immunocytochemistry; Rat (Junttila, T. (609) 149)

Nucleus tractus solitarii; Spermidine; NMDA; Cardiovascular (Ohta, H. (620) 72)

NMDA; Phencyclidine-like; Glutamate; Glycine; Cannabinoid; $^{45}Ca^{2+}$ influx (Nadler, V. (622) 79)

Polyarthritic rat
Vocalization threshold; Paw pressure; Endogenous opioid system; Naloxone; Naltrindole; MR-2266 (Cattaneo, I. (623) 201)

Polyarthritis
Immunocytochemistry; Immediate-early gene; Nociception; Hyperalgesia (Abbadie, C. (607) 195)

Polymer
Axonal transport; Cell motility; Cytoskeleton; Neurofilament (Lasek, R.J. (616) 58)

Polymerase chain reaction
Aromatase immunocytochemistry; Preoptic area; Japanese quail; Sexual behavior; Reproduction (Harada, N. (622) 243)

Astrocyte; Aging; Immunohistochemistry; Cysteine protease inhibitor; Cystatin (Yasuhara, O. (628) 85)

Polymodal receptor
Visceral nociceptor; Sensitization; Prostaglandin E_2; Bradykinin; EP receptor subtype; cAMP; Nerve discharge (Kumazawa, T. (632) 321)

Polyphosphoinositide
Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Phenylbiguanide; Calcium; Calcium ionophore; Phorbol ester; Protein kinase C; Pertussis toxin (Edwards, E. (617) 113)

Poly-unsaturated fatty acid
Blood–brain barrier; Acute hypertension; Na^+,K^+-ATPase; K^+-dependent *p*-nitrophenylphosphatase; γ-Glutamyltranspeptidase (Caspers, M.L. (602) 215)

Pons
Antinociception; Dopamine β-hydroxylase; Fluoro-Gold; Norepinephrine; *Phaseolus vulgaris*-leucoagglutinin; Retrograde tracer; Tyrosine hydroxylase (Clark, F.M. (616) 200)

Lateral lemniscus; Medulla; Conduction time; Electrical stimulation (Yeomans, J.S. (617) 320)

Pontine nucleus
Auditory cortex; Inferior colliculus; Pulse repetition rate (Jen, P.H.-S. (613) 152)

Pontine temperature
Hypothalamic temperature; Carotid blood flow; Vertebral blood flow; Heat exchanger; Wake–sleep cycle (Azzaroni, A. (632) 136)

Pontis caudalis
Amino acid; NMDA; Brainstem; Startle (Miserendino, M.J.D. (623) 215)

Population spike
Rat hippocampal slice; CA1; δ Opioid receptor; μ Opioid receptor; Electrophysiology (Watson, G.B. (601) 129)

Porcine calcitonin
Sulfatide; Reverse-phase evaporation vesicles; Antinociception; Blood–brain barrier (Chen, D. (603) 139)

Portal
Hepatic; Osmoreceptor; Vagus; Dorsal motor nucleus of the vagus; Rat (Kobashi, M. (632) 174)

Positive feedback
Autoreceptor; Excitatory amino acid; Transmitter release; Paired pulse facilitation; Magnesium (Nakamura, F. (622) 307)

Positive symptom
Action potential; Periaxonal space; Potassium channel; 4-Aminopyridine; Tetraethylammonium; Ectopic firing (Kapoor, R. (611) 165)

Positron emission tomography
Cerebral blood flow; Unilateral hand movement; Primary motor area; Premotor area; Human brain (Kawashima, R. (623) 33)

Deafness; Auditory cortex; Neuronal plasticity (Catalán-Ahumada, M. (623) 287)

Fluorodihydroxyphenylalanine; Catecholamine metabolism; Catechol-*O*-methyltransferase; Nitecapone; 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine; Hemiparkinsonism (Miletich, R.S. (626) 1)

Post-embedding immunogold
Circadian rhythm; Glutamate; Retinohypothalamic tract; Suprachiasmatic nucleus (De Vries, M.J. (612) 231)

Posterior cingulate cortex
Current source density analysis; Electrophysiology; Rat; Slice; Subiculum (Hedberg, T.G. (632) 239)

Posterior nucleus accumbens
CCK-8/DA interaction; Rat; Dopamine; Dopamine D_1 receptor; Dopamine D_2 receptor; Behavior; Emotional and motivational state (Derrien, M. (617) 181)

Posterior pituitary
Anorexia nervosa; Vasopressin; Oxytocin; Dynorphin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Dorsal vagal complex; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Anorexia nervosa; Dynorphin; β-Endorphin; Exercise; Starvation; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Anterior pituitary (Aravich, P.F. (622) 1)

Posterodorsal tegmental nucleus
Neurotrophin; Immediate early gene; Neuronal activation; Basal forebrain; Hypothalamus; Auditory system (Peng, Z.-C. (632) 57)

Postganglionic neuron
Sympathetic preganglionic neuron; Retrograde tracing; Intermediolateral cell column; Kidney; Renal nerve (Schramm, L.P. (616) 251)

Post-mortem human brain
Hepatic encephalopathy; Monoamine oxidase; Monoamine oxidase A; Monoamine oxidase B; Serotonin metabolism (Rao, V.L.R. (621) 349)

Postsynaptic
Lithium; G-protein; Hippocampus; CA1; Metabotropic glutamate receptor (Ballyk, B.A. (611) 81)

Postsynaptic density
Ca^{2+}; Calmodulin; Protein kinase; Autophosphorylation (Ochiishi, T. (610) 97)

Protein kinase C; Synaptosome; Isozyme (Suzuki, T. (619) 69)

Post-traumatic amnesia
Long-term memory; Recent memory; Traumatic brain injury; Anterograde amnesia; Retrograde amnesia (Gorman, L.K. (614) 29)

Posture
Human; Stepping; Perturbation; Task (McIlroy, W.E. (616) 30)

Vestibular system; Respiration; Sympathetic nervous system; Cardiovascular regulation; Orthostatic hypotension (Yates, B.J. (629) 209)

Human; Stepping; Automatic; Perturbation; Task (McIlroy, W.E. (631) 203)

Potassium
Spreading depression; Calcium; Hippocampus; Hypoxia; Ischemia; Calcium channel (Jing, J. (604) 251)

Neuron injury; Spreading depression; Depolarization; Current source density; Hippocampus CA1; Microdialysis (Herreras, O. (617) 194)

Cerebellar granule cell; Dendrite; Energy metabolism; Glucose; Neuron; Ouabain (Peng, L. (629) 331)

Potassium channel
Low voltage activated calcium channel; High voltage activated calcium channel; Sodium channel; Calcium dependent potassium channel; Primary sensory neuron; Spinal cord; Lamprey (Christenson, J. (608) 58)

Action potential; Periaxonal space; 4-Aminopyridine; Tetraethylammonium; Ectopic firing; Positive symptom (Kapoor, R. (611) 165)

Taste; 4-Aminopyridine; Chorda tympani nerve; Salt taste; Channel blocker (Kim, M. (612) 96)

Cerebral microvessel; Blood–brain barrier; Brain endothelium; Glibenclamide binding (Sullivan, H.C. (612) 336)

Tetraethylammonium; 4-Aminopyridine; Cone photoreceptor; Horizontal cell; Retina; Turtle (Perlman, I. (619) 89)

Toosendanin; Motor nerve terminal; Effect on membrane current; Perineurial recording; Transmitter release; Calcium channel (Xu, Y. (631) 46)

Potassium chloride
c-*fos*; Nerve growth factor; Spreading depression (Herrera, D.G. (602) 99)

Potassium current
Vagal motoneuron; Autonomic; Medulla; Current clamp; Neuromodulation; Peptide; Brainstem slice (Livingston, C.A. (621) 97)

Sympathetic ganglion; M-current; Inositol 1,4,5-trisphosphate; Calcium; Patch-clamp; Muscarinic receptor; Phosphorylation (Chen, H. (625) 323)

Potassium ion activity
Glial cell; Synaptic potential; Glutamate; Cholecystokinin; Tractus solitarius; Nucleus tractus solitarii; Dorsal vagal motor nucleus (Ballanyi, K. (607) 99)

Potassium stimulation
Regional superfusion; Intrathecal space; Vaginocervical stimulation; Analgesia; Nociception; Glycine; GABA; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

Potentiation
Lateral perforant path; Norepinephrine; Locus coeruleus; Medial perforant path (Babstock, D.M. (629) 149)

Potentiation of neuronal damage
Hippocampal slice; Hypoxia; Kainate/AMPA receptor; NMDA receptor; Quinolinate (Schurr, A. (617) 76)

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Neuroblastoma; GM_3 antibody; Differentiation; cAMP (Chakraborty, M. (625) 197)

Prazosin
Oxytocin; Norepinephrine release; Estradiol; Progesterone; Ventromedial hypothalamus; Lordosis (Vincent, P.A. (620) 189)

Norepinephrine; Plasticity; α-Adrenoceptor; Locus ceruleus; Vibrissae (Dunn-Meynell, A.A. (623) 25)

AMPA; AP-7; Blood pressure; DNQX; Epinephrine; Glutamate; Heart rate; Kainate; Mesenteric artery; NMDA; Rat (Malhotra, V. (626) 278)

Quantitative receptor autoradiography; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

Precipitated withdrawal
Diazepam withdrawal; 2-Deoxyglucose; Cerebral glucose utilization; Flumazenil; Set-point; Spontaneous withdrawal; Withdrawal shift (Laurie, D.J. (631) 277)

Predator-prey
Sex difference; Developmental; Stress-induced analgesia; Opioid analgesia; Non-opioid analgesia; Naloxone; 8-OH-DPAT; Meadow vole (Saksida, L.M. (617) 214)

Predatory attack behavior
Defensive rage behavior; Amygdala; Substance P; Neurokinin NK_1 receptor; CP-96,345; Cat; Hypothalamus (Shaikh, M.B. (625) 283)

Prefrontal area
Globus pallidus; Motor cortex; Premotor area; Supplementary motor area; Putamen; Caudate nucleus; Monkey (Yoshida, S.-i. (611) 170)

Prefrontal cortex
Rhesus monkey (*Macaca mulatta*); Direct delayed response task; Lesion; Parietal cortex; Short-term visual spatial memory (Pu, X. (600) 187)

Noradrenaline; Microdialysis; Morphine dependence; Tolerance; Morphine withdrawal (Rossetti, Z.L. (609) 316)

Serotonin uptake site; Serotonin 5-HT_2 receptor; Paroxetine binding; Ketanserin binding; Human brain; Suicide victims/depressives; Amygdala; Hypothalamus (Hrdina, P.D. (614) 37)

Clonidine; Reserpine; Memory; Norepinephrine; Monkey (Cai, J.X. (614) 191)

MK-801; Microdialysis; Dopamine; Dopamine D_1 receptor; Dopamine D_2 receptor; Striatum (Wędzony, K. (622) 325)

Dopamine; Dialysis; MK-801; Locomotor activity (Wędzony, K. (625) 333)

Intracerebral microdialysis; Dopamine release; $GABA_A$ and $GABA_B$ receptors; Rat (Santiago, M. (630) 28)

Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

5α-Pregnan-3α-ol-20-one
Progesterone; Anticonvulsant; Epilepsy; Phenobarbital; Immunocytochemistry (Taubøll, E. (623) 329)

Pregnancy
Lactation; Oxytocin receptor; Electrophysiology; In vitro slice; Limbic system; Maternal behavior; Milk ejection (Ingram, C.D. (602) 325)

Dynorphin; Spinal cord; Analgesia (Medina, V.M. (623) 41)

Pregnenolone
Neurosteroid; Human sleep; Electroencephalography; Hormone secretion (Steiger, A. (615) 267)

Pre-I neuron
cAMP; Respiratory rhythm; Rostral ventrolateral medulla; Newborn rat; in vitro (Arata, A. (605) 193)

Prelimbic area
In situ hybridization; Grain counting; GAD67 mRNA; Glutamic acid decarboxylase activity; Anterior cingulate area (Retaux, S. (611) 187)

Prelimbic cortex
Anterograde degeneration; Horseradish peroxidase; Electron microscope; Rat (Kuroda, M. (612) 339)

Sensorimotor cortex; Striatum; Substantia nigra; Corticostriatal transmission; Convergence; Dopamine (Florio, T. (619) 180)

Premotor area
Globus pallidus; Motor cortex; Supplementary motor area; Prefrontal area; Putamen; Caudate nucleus; Monkey (Yoshida, S.-i. (611) 170)

Positron emission tomography (PET); Cerebral blood flow; Unilateral hand movement; Primary motor area; Human brain (Kawashima, R. (623) 33)

Premotor cortex
Set-related cells; Learning; Conditional motor task; Motor cortex (Germain, L. (611) 175)

Prenatal
Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; Ontogeny; Circadian; Neuropeptide; Rat; Hamster; Entrainment (Robinson, M.L. (605) 271)

Cocaine; Tyrosine hydroxylase; Catecholamine; Brain; Fetal; Rat (Meyer, J.S. (608) 129)

Prenatal exposure
Carbon monoxide; Behavior; Rat (Di Giovanni, V. (616) 126)

Preoptic area
Brown adipose tissue; Ventromedial hypothalamic nucleus; Lateral hypothalamic area; Dorsomedial hypothalamic nucleus; Paraventricular nucleus (Yoshimatsu, H. (601) 121)

Hyperthermia; c-*fos*; Immunocytochemistry; Thermoregulation; Temperature (Scammell, T.E. (618) 303)

c-Fos; Pelvic nerve; Amygdala; Cervical stimulation; Lordosis; Mating; Hypothalamus (Rowe, D.W. (621) 25)

Aromatase immunocytochemistry; Polymerase chain reaction; Japanese quail; Sexual behavior; Reproduction (Harada, N. (622) 243)

Prolactin; Ventromedial hypothalamus; Lateral hypothalamus; Tuberal hypothalamus; Feeding behavior; Bird; *Streptopelia risoria* (Hnasko, R.M. (623) 257)

Lordosis; Guinea pig; Noradrenergic; Hypothalamus (Malik, K.F. (628) 26)

Estrogen receptor; Immunocytochemistry; Hypothalamus; Amygdala; Hamster (Li, H.-Y. (631) 304)

Preproenkephalin
Striatum; Neonatal 6-hydroxydopamine; Glutamate decarboxylase; Dopamine D_2 receptor; mRNA (Soghomonian, J.-J. (621) 249)

Pressor and tachycardic response
Ventromedial hypothalamus electrical stimulation; Intrascapular brown adipose tissue temperature and blood flow; Laser Dopler flowmetry; Antagonism by IBAT nerve denervation (Thornhill, J. (615) 289)

Pressor response
ACTH(1–24); Grooming behavior; ACTH/MSH-like peptide; Intracerebroventricular administration (Versteeg, D.H.G. (631) 265)

Pressor responses to L-DOPA
Rat rostral ventrolateral medulla; Microdialysis; Transmitter-like L-DOPA release; Microinjection; Competitive L-DOPA antagonist; Tonic recognition site for L-DOPA (Yue, J.-L. (629) 310)

Presynapse
Brain rich; Neuron-specific; Immunocytochemical; Developmental change; Protein 14 kDa; Nerve terminal (Shibayama-Imazu, T. (622) 17)

Presynaptic
Adenosine A_1 receptor; κ_1 Opioid receptor; Alzheimer's disease; Striatum; Autoradiography (Ikeda, M. (616) 211)

Presynaptic inhibition
Fast inhibitory postsynaptic potential; Slow inhibitory postsynaptic potential; GABA; Hippocampus; Activity-dependent; Chloride accumulation (Benardo, L.S. (607) 81)

Adenosine; A1 receptor; Hippocampus; Ca^{2+}; Mg^{2+}; Synaptic modulation (Smith, D.A. (617) 61)

Presynaptic modulation
Neurotensin; Dopamine release; Acetylcholine release; Striatum (Töröcsik, A. (612) 306)

Presynaptic receptor
A1 noradrenergic cell group; Vasopressin cell; Neurosecretory cell; Supraoptic nucleus; α_2-Adrenoceptor (Khanna, S. (613) 164)

Taurine; Aspartate; Glutamate; GABA; Synaptosome; Rat cortex (Kamisaki, Y. (627) 181)

Pretransected peripheral nerve
Neural transplantation; Co-graft; Adrenal medulla; Parkinson's disease (Date, I. (624) 233)

Primary afferent
Dorsal column nucleus; Somatosensory; Topographical organization (Crockett, D.P. (603) 324)

NADPH diaphorase; Rhizotomy; Lumbar spinal cord; Nitric oxide; Sacral parasympathetic nucleus (Vizzard, M.A. (607) 349)

Dorsal column nucleus; Plasticity; Somatosensory; Topographical organization; Metabolism (Crockett, D.P. (612) 41)

Cat muscle spindle; Slow adaptation; Intrafusal muscle fiber; Interspike interval function (Awiszus, F. (612) 110)

Horseradish peroxidase; Intracellular staining; Trigeminal; Motor control (Donga, R. (626) 347)

Primary afferent axon
L-Glutamate; Intra-axonal staining; Immunogold reaction; Neurotransmitter (Maxwell, D.J. (606) 156)

Primary afferent neuron
Neurofilament; Phosphorylation; Immunocytochemistry; Cell profile size; Cat (Perry, M.J. (607) 307)

Primary afferent terminal
Serotonin; Neuromodulation; Chordotonal organ; Immunohistochemistry; In vitro preparation; Crayfish (Rossi-Durand, C. (632) 1)

Primary astrocyte
Thrombin; Endothelin; Endothelin receptor; Inositolphospholipid turnover; AP1; Reverse transcriptase PCR (Ehrenreich, H. (600) 201)

Primary culture
Trisomy 16; Down's syndrome; Action potential; Current; Hippocampus; Mouse; Patch-clamp (Galdzicki, Z. (604) 69)

Steroid; Glucocorticoid receptor; Mineralocorticoid receptor; Cortex; Hippocampus; Serotonin; Rat; Brain (Vedder, H. (605) 18)

Primary motor area
Positron emission tomography (PET); Cerebral blood flow; Unilateral hand movement; Premotor area; Human brain (Kawashima, R. (623) 33)

Primary neuron
Trigeminal nerve; Spinal trigeminal nucleus; Subnucleus oralis; Ultrastrucure (Bae, Y.C. (606) 175)

Primary sensory neuron
Low voltage activated calcium channel; High voltage activated calcium channel; Sodium channel; Potassium channel; Calcium dependent potassium channel; Spinal cord; Lamprey (Christenson, J. (608) 58)

Glucocorticoid receptor; Corticosteroid; Pain; Immunocytochemistry; Immediate early gene; C-fiber stimulation; Nociception (Cintra, A. (632) 334)

Primary somatosensory cortex
Cold-sensitive neuron; Nociceptive neuron; Skin; Mucous membrane (Tsuboi, Y. (613) 193)

Primate
Regeneration; Plasticity; Dorsal horn; Dorsal column nuclei; Cuneate nucleus (Florence, S.L. (601) 343)

Tyrosine hydroxylase; Calcium binding protein; Frontal cortex; Substantia nigra (Gaspar, P. (603) 166)

Nerve growth factor; Nerve growth factor mRNA; Gene expression; Central nervous system (Hayashi, M. (618) 142)

High pressure neurological syndrome; CGP 39551; NMDA receptor; EEG; Behavioral observation (Pearce, P.C. (622) 177)

Excitatory amino acid; Glutamate receptor; Confocal microscopy; Quantitative neuroanatomy; Neurodegeneration (Good, P.F. (624) 347)

Dopamine receptor; MPTP; Autoradiography; L-DOPA (Alexander, G.M. (625) 276)

Principal component analysis
Cell culture; Human spinal cord; γ-Aminobutyric acid-immunoreactive neuron; Thienylphencyclidine; Computer microscope (Calvet, M.-C. (608) 299)

Principal sensory trigeminal nucleus
Periaqueductal gray; Nucleus raphe magnus; Caudal spinal trigeminal nucleus; Pain; Rat; *Phaseolus vulgaris* leucoagglutinin; Wheat germ agglutinin–horseradish peroxidase (Li, Y.-Q. (608) 138)

Procaine
Kindled seizure; Substantia innominata; Amygdala; Ipsilateral hemiconvulsive seizure; Elevation of seizure threshold (Mori, N. (610) 344)

***Procambarus clarkii* (G.)**
Thoraco-abdominal preparation; Motor activity; Swimmeret system; Abdominal positioning system; Serotonin; Proctolin; In vitro (Barthe, J.-Y. (623) 101)

Proceptivity
Lordosis; Serotonin; Resistive behavior (Uphouse, L. (601) 203)

Processing
Tau; Ghost tangle; Alzheimer's disease; Abnormal phosphorylation (Endoh, R. (601) 164)

Proctolin
Thoraco-abdominal preparation; Motor activity; Swimmeret system; Abdominal positioning system; Serotonin; In vitro; *Procambarus clarkii* (G.) (Barthe, J.-Y. (623) 101)

Proenkephalin
Basic fibroblast growth factor; Chromaffin cell; Tyrosine hydroxylase (Puchacz, E. (610) 39)

Progesterone
Estrogen; Ovarian steroid; Opioid; Analgesia (Dawson-Basoa, M.B. (601) 241)

N-Methyl-D,L-aspartic acid; Cortical activation; Lactation; c-*fos* expression; *N*-Methyl-D-aspartate receptor inactivation (Abbud, R. (604) 16)

Estradiol; Synapse; Neural plasticity; Arcuate nucleus; Hypothalamus (Pérez, J. (608) 38)

Electrophysiology; Brainstem slice; Nucleus tractus solitarii; Estradiol; Dorsal motor nucleus of the vagus; Ovarian steroid (Tolchard, S. (609) 21)

Compensatory ovarian hypertrophy; Gonadotropin; Temporal lobe; Asymmetry; Rat (Gerendai, I. (619) 173)

Oxytocin; Norepinephrine release; Estradiol; Ventromedial hypothalamus; Lordosis; Prazosin (Vincent, P.A. (620) 189)

5α-Pregnan-3α-ol-20-one; Anticonvulsant; Epilepsy; Phenobarbital; Immunocytochemistry (Taubøll, E. (623) 329)

c-*fos*; Sexual stimulation; Female rat; Estrogen (Pfaus, J.G. (624) 253)

Astrocyte; Brain injury; Reactive gliosis; Estradiol; Testosterone; Cerebral cortex; Hippocampus; Dentate gyrus (Garcia-Estrada, J. (628) 271)

Progressive ratio
Cocaine; Self-administration; SCH 23390; Nucleus accumbens; Amygdala; Fixed ratio (McGregor, A. (624) 245)

Projection neuron
Calbindin-like immunoreactivity; Hippocampal formation; Interneuron; Paridae and corvidae; Food-storing behaviour (Montagnese, C.M. (614) 291)

Spinal cord; Topography; Goldfish; Supraspinal neuron; Horseradish peroxidase study (Prasada Rao, P.D. (620) 211)

Prolactin
Cocaine; Dopamine synthesis; Tuberoinfundibular dopamine neuron; Median eminence (Baumann, M.H. (608) 175)

Tuberoinfundibular dopaminergic neuron; NMDA receptor; Estrogen; Median eminence; Sex difference (Wagner, E.J. (611) 139)

Vasoactive intestinal peptide; Hypothalamus; Arcuate-median eminence; Anterior pituitary (Carrillo, A.J. (613) 281)

Preoptic area; Ventromedial hypothalamus; Lateral hypothalamus; Tuberal hypothalamus; Feeding behavior; Bird; *Streptopelia risoria* (Hnasko, R.M. (623) 257)

Dopamine; 6-Hydroxydopamine; 6-Hydroxydopa; MPTP; Neurotoxin; HPLC (Lin, J.-Y. (624) 126)

Serotonin; Renin; Vasopressin; Corticosterone; Antidepressant (Li, Q. (630) 148)

Proliferation
Microglia/macrophage; Twitcher mouse; Immunocytochemistry; Autoradiography; Demyelination (Ohno, M. (602) 268)

Müller cell; Glia; Retina; *N*-Methyl-D-aspartate receptor channel; Glutamate (Uchihori, Y. (613) 212)

***R*-Prolinol**
Neurotransmitter release; Calcium channel; Ethanolamine; Diltiazem (Bostwick, J.R. (629) 79)

Prone
H-reflex; Standing; Inhibition (Koceja, D.M. (629) 155)

Propionate
Buffer capacity; Neuron; Astrocyte; Cortical tissue; Direct titration; NH_4^+ method; CO_2 method (Katsura, K.-i. (618) 283)

Propranolol
Isoproterenol; Somatostatin; Frontoparietal cortex; Rat (López-Sañudo, S. (614) 171)

Radial maze; Pharmacological interaction; Atenolol; Scopolamine; Rat (Ohta, H. (622) 353)

Propriospinal neuron
Respiration; Vomiting; Coughing; Kainic acid; Cervical spinal cord; Inspiratory neuron; Intercostal discharge pattern (Miller, A.D. (606) 143)

***N-n*-Propylnorapomorphine**
Spontaneously hypertensive rat; Wistar–Kyoto rat; Caudate nucleus; Dopamine D_1 receptor; Dopamine D_2 receptor; SCH 23390; Spiperone (Linthorst, A.C.E. (602) 119)

***R*(−)-*N*,*N*-Propylnorapomorphine**
Substantia nigra; Dopamine neuron; *N*-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline; Receptor reserve; Autoradiography (Cox, R.F. (613) 32)

Prorhinal cortex
Rhesus monkey; Perirhinal cortex; Superior temporal sulcus; Cytochrome oxidase; In situ hybridization; Cortico-cortical connection; Alzheimer's disease (Chandrasekaran, K. (606) 213)

Prostacyclin
Bradykinin; Nociceptor; Inflammation (Birrell, G.J. (611) 103)

Prostaglandin
Vasopressin; Antidiuretic hormone; Dopamine receptor; Adrenoreceptor; Meclofenamate; Phenylephrine; Angiotensin II; Brain (Yamaguchi, K. (607) 149)

Astrocyte growth regulation; Protein kinase C α subtype; 12-*O*-Tetradecanolyphorbol 13-acetate; Brain cell culture (Sawada, M. (613) 67)

Interleukin-1; Interleukin-6; Tumor necrosis factor-α; Corticotropin-releasing hormone; Norepinephrine turnover; Hypothalamus (Terao, A. (622) 257)

Interleukin-1; Glucose production; Gluconeogenesis; Glucose utilization; Indomethacin; Lactate; Intracerebroventricular; Rat (Lang, C.H. (624) 53)

Prostaglandin B_1
Cerebral ischemia; Neuroprotection; Di-Calciphor; Calpain (Lin, R.C.S. (606) 130)

Prostaglandin E_2
Spontaneously hypertensive rat; Brown adipose tissue; Paraventricular nucleus (Bhatnagar, S. (613) 285)

Endotoxin; Brain microvasculature; Choroid plexus; Paraventricular and supraoptic nucleus (Van Dam, A.-M. (613) 331)

δ-Opioid peptide; Gonadotropin-releasing hormone; Leukotriene; Male rat (Gerozissis, K. (626) 219)

Nucleus tractus solitarius; Patch-clamp; Cation channel; Autoradiography; Rat (Matsumura, K. (626) 343)

Polymodal receptor; Visceral nociceptor; Sensitization; Bradykinin; EP receptor subtype; cAMP; Nerve discharge (Kumazawa, T. (632) 321)

Prostaglandin $F_{2\alpha}$
Ventrobasal complex; Thalamic neuron response; Uterus distension; Vagina distension; Bradykinin suprafusion (Guilbaud, G. (614) 285)

Protease
Glucocorticoid; Angiogenesis; Glioma; Endothelial cell (Wolff, J.E.A. (604) 79)

Acetylcholinesterase; Dimer (Michaelson, S. (611) 75)

Protease inhibitor
Astrocyte; Alzheimer's disease; α_1-Antichymotrypsin; Cathepsin G; Glial fibrillary acidic protein; Gliosis; Serine protease (Abraham, C.R. (621) 222)

Neurite outgrowth; Blood coagulation; Amyloid β-protein precursor (Wagner, S.L. (626) 90)

Protection
Recombinant human nerve growth factor; Glutamate; Neurotoxicity; Culture (Shimohama, S. (632) 296)

Protein
Fos mRNA; c-*Fos*; Cholinesterase inhibitor; Gene expression; Seizure; Rat brain (Chollat-Namy, A. (603) 32)

Protein 14 kDa
Brain rich; Neuron-specific; Immunocytochemical; Developmental change; Nerve terminal; Presynapse (Shibayama-Imazu, T. (622) 17)

Protein chemistry
Opioid receptor; Nervous system; Enkephalin; Growth; Development; Cerebellum; Brain; Zeta (ζ) receptor; Biochemistry (Zagon, I.S. (605) 50)

Protein kinase
Ca^{2+}; Calmodulin; Postsynaptic density; Autophosphorylation (Ochiishi, T. (610) 97)

Lidocaine; Cyclic AMP; cAMP-dependent protein phosphorylation; Na^+current; *Euhadra* neuron (Onozuka, M. (628) 335)

Amyloid β-protein; Alzheimer's disease; Casein kinase; Protein phosphorylation (Chauhan, A. (629) 47)

Protein kinase A
Protein kinase C; Phorbol ester; Nerve growth factor; Fibroblast growth factor; Alcohol (Roivainen, R. (624) 85)

Protein kinase C
Glutamate neurotoxicity; H7; Calphostin C (Felipo, V. (604) 192)

Superior colliculus slice; Synaptic potential; Long-term potentiation; Calmodulin; Induction; Maintenance (Miyamoto, T. (605) 287)

Hypoglycemia; Brain; MARCKS (Anderson, L.G. (606) 187)

Protein kinase Cγ; c-*fos*; Fos protein; Chick; Intermediate and medial hyperstriatum ventrale; Imprinting; Learning (Ambalavanar, R. (606) 315)

Entorhinal cortex lesion; PDBu binding; Synaptic plasticity; Hippocampus (Parent, A. (607) 23)

ϵ-Subspecies; Electron microscopy (Saito, N. (607) 241)

Methylazoxymethanol; Hippocampus; Granule cell; Learning; B-50/GAP-43 (Di Luca, M. (607) 329)

Long-term potentiation; Short-term potentiation; Metabotropic receptor; *N*-Methyl-D-aspartate receptor; Hippocampus; Plasticity (Otani, S. (613) 1)

Serotonin; Long-term enhancement; *Hermissenda*; Kinase inhibitor (Crow, T. (613) 61)

Schwann cell; Cell proliferation; Glial growth factor; Diacylglycerol; Protein kinase inhibitor (Yoshimura, T. (617) 55)

Polyphosphoinositide; Phosphoinositide hydrolysis; Serotonin; 2-Methyl-serotonin; Phenylbiguanide; Calcium; Calcium ionophore; Phorbol ester; Pertussis toxin (Edwards, E. (617) 113)

Metabotropic glutamate receptor; Cloned cell line; Inositol phosphate; Glutamate binding; *t*-ACPD (Thomsen, C. (619) 22)

Postsynaptic density; Synaptosome; Isozyme (Suzuki, T. (619) 69)

Hippocampus; Mouse; Spatial learning; Physical activity or running exercise (Fordyce, D.E. (619) 111)

Protein kinase A; Phorbol ester; Nerve growth factor; Fibroblast growth factor; Alcohol (Roivainen, R. (624) 85)

Nucleus parabrachialis; Conditioned taste aversion; LiCl; $CuSO_4$ (Krivanek, J. (629) 327)

Protein kinase Cγ
Protein kinase C; c-*fos*; Fos protein; Chick; Intermediate and medial hyperstriatum ventrale; Imprinting; Learning (Ambalavanar, R. (606) 315)

Protein kinase C α subtype
Astrocyte growth regulation; Prostaglandin; 12-*O*-Tetradecanolyphorbol 13-acetate; Brain cell culture (Sawada, M. (613) 67)

Protein kinase inhibitor
Schwann cell; Cell proliferation; Glial growth factor; Protein kinase C; Diacylglycerol (Yoshimura, T. (617) 55)

Protein malnutrition
Hippocampus; CA3 pyramidal cell; Morphometric Golgi study (García-Ruiz, M. (625) 203)

Protein marker, soluble protein
BP170; Brain-specific protein; Western immunoblotting (Hui, M.P.-P. (606) 36)

Protein metabolism
2-Deoxyglucose; Intracerebroventricular; Neuroglucopenia; Glucose metabolism; Insulin; Glucagon; Catecholamine; Dog (Molina, P.E. (614) 99)

Protein phosphorylation
Amyloid β-protein; Alzheimer's disease; Casein kinase; Protein kinases (Chauhan, A. (629) 47)

β Protein precursor
Amyloid β; Congophilic angiopathy; Smooth muscle; Vasculature (Kawai, M. (623) 142)

Protein sorting
Rat; Neuron; Virus; Electron microscopy; Polarity (Dotti, C.G. (610) 141)

Protein synthesis
Brain; Olfactory bulb; Insulin-like growth factor I; Basic fibroblast growth factor; DNA synthesis (Werther, G.A. (617) 339)

Hippocampus; Ribosome; Ultrastructure; Synaptic plasticity; Long-term potentiation (Wenzel, J. (619) 331)

Estradiol; Anisomycin; Paraventricular nucleus; Food intake; Body weight; Lordosis (Butera, P.C. (624) 354)

Protein synthesis inhibitor
Amphetamine; Cocaine; Anisomycin; Cycloheximide; Behavioral sensitization; Mouse (Karler, R. (603) 19)

Proteoglycan
Alzheimer's disease; Amyloid; Glycosaminoglycan; Heparan sulfate; SKNSH-SY 5Y neuroblastoma cell (Buée, L. (601) 154)

Alzheimer's disease; Amyloid; Heparan sulfate (Buée, L. (627) 199)

Glycosaminoglycan; Neuronal subset; Monoclonal antibody; Perineuronal antigen; Chondroitinase ABC (Sano, S.-i. (630) 65)

Proteolipid protein
Myelin; Undernutrition; Myelin-associated glycoprotein; Basic protein; Development (Royland, J.E. (607) 113)

Myelin; Hypomyelinating mutant; Caprine β-mannosidosis; Myelin basic protein; Myelin-associated glycoprotein; 2′,3′-Cyclic nucleotide 3′-phosphodiesterase; Glial fibrillary acidic protein (Sasaki, M. (620) 127)

Proteolysis
Calpain; Excitotoxicity; Cerebellum; AMPA; Purkinje cell (Caner, H. (607) 354)

GRF; Rat; HPLC; Hypothalamus; Pituitary (Boulanger, L. (616) 39)

Proton ATPase
Synaptic vesicle; Synaptic vesicle protein; Synaptic vesicle purification; Synaptotagmin; Vamp; SV2; o-rab3 (Miller, K.G. (616) 99)

Proton pump
H^+-ATPase; Blood–brain barrier; Acid–base balance (Mooradian, A.D. (629) 128)

Protooncogene
Immunohistochemistry; Neocortex; Hippocampus; Guinea pig; Rat (Mihály, A. (627) 225)

Proto-oncogene trk
Retroviral transduction; SV40 large T antigen; Neuronal cell line; Medullary raphe; Differentiation; Neurotrophin (Whittemore, S.R. (615) 27)

P450scc
Steroidogenesis; P450c11; Astrocyte; Cortex (Mellon, S.H. (629) 283)

Pseudorabies virus
Autonomic nervous system; Sympathetic nervous system; Sympathetic preganglionic neuron; Transneuronal cell body labeling (Jansen, A.S.P. (617) 103)

Autonomic nervous system; Dorsal vagal nucleus; Insulin regulation; Parasympathetic nervous system; Vagus nerve; Ventral medulla; Viral transneuronal labeling (Loewy, A.D. (620) 323)

Pseudosubstrate peptide
Slice; Neurotransmitter release; Synapsin I; In situ phosphorylation (Waxham, M.N. (609) 1)

Psychological stress
Footshock; Corticotropin-releasing hormone; Arousal; Pentobarbital; CRH-receptor antagonist; Adrenocorticotropin; Catecholamine (Shibasaki, T. (618) 71)

Psychomotor stimulant
Sigma receptor; Phencyclidine; Deoxyglucose; Cerebral glucose metabolism (Della Puppa, A. (603) 38)

Psychostimulant
Weight gain; Volume; Hippocampal formation; Rat; Discriminant function analysis (Tavares, M.A. (619) 137)

Pterygopalatine ganglion
Acetylcholine; Neuronal plasticity; Superior cervical ganglionectomy; Superior salivatory nucleus; Superior tarsal muscle (Smith, P.G. (629) 319)

Nitric oxide synthase; Retina; Optic nerve; Denervation; Rat (Yamamoto, R. (631) 83)

***pt* mutation**
Myelin; Rabbit mutant; *Plp* gene; X-linked (Tosic, M. (625) 307)

Pulmonary J receptor
t-ACPD; AMPA; AP-7; Blood pressure; DNQX; Heart rate; Kainate; NMDA; Respiration; Rat (Vardhan, A. (618) 23)

Pulse repetition rate
Auditory cortex; Inferior colliculus; Pontine nucleus (Jen, P.H.-S. (613) 152)

Puncta adhearentia
Calretinin; Calcium-binding protein; Cerebellum; Granule cell; Parallel fiber; Mossy fiber; Rat (Arai, R. (613) 300)

Pupilloconstriction
Parvalbumin; Calbindin-D_{28k}; Calcium-binding protein; Edinger–Westphal nucleus; Accommodation; Ciliary ganglion (Fujii, J.T. (605) 200)

Purine
Adenosine; Brain cortex; Circadian rhythm; Sleep–wake cycle; Energy (Chagoya de Sánchez, V. (612) 115)

Purinergic receptor
Astrocyte; Calcium; Lactic acid; Acidosis; Extracellular ATP (Neary, J.T. (604) 211)

Purinergic transmission
A1 cell group; Noradrenergic neuron; Supraoptic nucleus; Neurosecretory cell; Vasopressin (Day, T.A. (607) 341)

Purkinje cell
Cerebellum; Non-ataxic; Exploratory behavior; Tonic-clonic seizure; Immune response; Guinea pig (Lev-Ram, V. (606) 325)

Calpain; Excitotoxicity; Cerebellum; AMPA; Proteolysis (Caner, H. (607) 354)

Cerebellum; Excitatory amino acid; Serotonin; AMPA; *t*-ACPD (Netzeband, J.G. (608) 145)

Synaptophysin; Synaptic vesicle; Occipital cortex; Human brain; Neuropathology (Honer, W.G. (609) 9)

Oscillatory activity; Intrinsic property; Hyperpolarization-activated cation current; Zero slope resistance (Chang, W. (614) 335)

Glutamic acid decarboxylase; Firing rate; Climbing fiber lesion; Cerebellum; Glutamic acid decarboxylase$_{67}$ mRNA; mRNA stability (Drengler, S.M. (615) 175)

Cerebellum; Acetylcholine; Muscarinic receptor; Glutamate; Neuromodulation (Andre, P. (617) 28)

Serotonin; H-current; Voltage clamp; Cerebellar brain slice; Inward rectifying current (Li, S.-J. (617) 87)

Spinocerebellum; Passive movement; Vermis (Gray, C. (622) 280)

Transplantation; Dorsal cochlear nucleus; Lurcher mutant mouse; Migration (Dumesnil-Bousez, N. (622) 343)

Cerebellar cortex; Parallel fiber; Intracellular HRP; Immunohistochemistry (Bishop, G.A. (623) 293)

Recurrent collateral; Inhibition; Cerebellum; New-born rat; System analysis; Cooperativity; Entropy (Bernard, C. (626) 234)

Long-term depression; Cerebellum; Nictitating membrane response; Rabbit; Slice (Schreurs, B.G. (631) 235)

Purkinje neuron
Ryanodine binding protein; Calcium ion channel; Intracellular membrane system; Antibody; Brain (Ouyang, Y. (620) 269)

Puromycin
Tyr-aminopeptidase; Aminopeptidase M; Bestatin; Estrous cycle; Rat brain (De Gandarias, J.M. (620) 146)

Pursuit
Medial preoptic area; Bilateral lesion; Socio–sexual behavior; Motivation (Paredes, R.G. (618) 271)

Push–pull
Luteinizing hormone; Hypothalamus; Reproductive function; Immune system; Ovulatory cycle; Stress mechanism; Transcription factor; Immunocytochemistry (Rivest, S. (613) 132)

Putamen
D_2 receptor; D_1 receptor; M1 receptor; M2 receptor; Caudate nucleus (Joyce, J.N. (600) 156)

Globus pallidus; Motor cortex; Premotor area; Supplementary motor area; Prefrontal area; Caudate nucleus; Monkey (Yoshida, S.-i. (611) 170)

Mouse; Adrenal; Medulla; Nerve growth factor; Neurofilament; Dopamine; Phenylethanolamine-*N*-methyl transferase; Immunocytochemistry; Synapse (Jousselin-Hosaja, M. (627) 275)

Opioid receptor; Alzheimer's disease; Amygdala; Frontal cortex; GTP analog; Autoradiography; Human brain (Barg, J. (632) 209)

Putrescine
α-Difluoromethylornithine; Hippocampus; CA1; γ-Aminobutyric acid$_A$; Ornithine decarboxylase (Ferchmin, P.A. (601) 95)

Spermidine; Spermine; Neuronal survival; Cell culture; Hippocampus; Cerebellum (Abe, K. (605) 322)

Pyramidal cell
Epilepsy; Seizure; CA1; Facilitation (Bekenstein, J. (601) 111)

Pyramidal neuron
Self-stimulation reward; Hippocampus; Motor cortex; Dendritic branching; Neuronal plasticity (Rao, B.S.S. (627) 216)

Pyrethroid
Allethrin; Sodium channel; Tetrodotoxin; Dorsal root ganglion; Insecticide (Ginsburg, K.S. (627) 239)

Pyridoxal 5-phosphate
Aromatic L-amino acid decarboxylase; Dopamine; NSD-1015; Astrocyte (Juorio, A.V. (626) 306)

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Cell count; Central nervous system; Mammal; Neuroglia; Stereology (Bjugn, R. (627) 25)

Quantitative autoradiography
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Hippocampus; Human brain; Thyrotropin-releasing hormone; Binding site (Eymin, C. (605) 139)

Passive avoidance; Opioid-binding; Domestic chick; Avian brain (Csillag, A. (613) 96)

Serotonin 5-HT$_{1B}$ receptor; 5,7-Dihydroxytryptamine; Upregulation; Hypothalamus (Manrique, C. (623) 345)

Quantitative cytochrome oxidase histochemistry
Electroconvulsive shock-induced seizure; Metabolic mapping; Seizure (Nobrega, J.N. (605) 1)

Quantitative immunohistochemistry
Tyrosine hydroxylase; Parkinson's disease; In situ hybridization (Kastner, A. (606) 341)

Quantitative microdialysis
Amphetamine; Estrogen; Ovariectomy; Castration; Dopamine release; Stereotyped behavior (Castner, S.A. (610) 127)

Quantitative morphometrics
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Quantitative neuroanatomy
Excitatory amino acid; Glutamate receptor; Primate; Confocal microscopy; Neurodegeneration (Good, P.F. (624) 347)

Quantitative receptor autoradiography
[^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

Quench-flow
GABA; Pentobarbital; Chloride flux; Microsac; Rat (Mihic, S.J. (619) 319)

Quinelorane
Raclopride; Dopamine D_2 agonist; 3,4-Dihydroxyphenylacetic acid; Dopamine (Eaton, M.J. (629) 53)

Quinolinate
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Quinolinate excitotoxicity
Striatum; Endogenous acetylcholine release; Tachykinin; Glutamate (Arenas, E. (603) 317)

Quinolinic acid
Neural transplant; Neural protection; Rat; Striatum; Excitotoxicity; Injury response (Pearlman, S. (613) 203)

Epilepsy; E1 mouse; Excitotoxin (Nakano, K. (619) 195)

Immunohistochemistry; Excitotoxin; Macrophage; Dendritic cell; Cytokine (Moffett, J.R. (623) 337)

Ventral pallidum/substantia innominata; Lateral hypothalamus; Globus pallidus; Ibotenic acid; Excitotoxin lesion; Aphagia; Feeding behavior; Taste aversion (Cromwell, H.C. (624) 1)

Quinoxaline
Locomotion; NBQX; AMPA; Excitatory amino acid (Boldry, R.C. (600) 331)

Quinoxalinedione
β-Oxalylamino-L-alanine; NADH-dehydrogenase; Brain slice; Excitatory amino acids; Glutamate receptor; Excitotoxin (Pai, K.S. (621) 215)

Nucleus magnocellularis; Nucleus laminaris; Axonal sprouting; NBQX (Zhou, N. (628) 149)

Quinpirole
Antidepressant; Adenylyl cyclase; β-Adrenoceptor; Dopamine receptor; MK-801; NMDA receptor (De Montis, M.G. (606) 63)

Brain stimulation reward; Dopamine; GBR 12909; Neurotensin; Mesencephalon (Rompré, P.-P. (616) 154)

Apomorphine; Dopamine D_1 receptor; Dopamine D_2 receptor; Electrophysiology; Ethanol; Microiontophoresis; Single-unit extracellular recording (Shen, R.-Y. (624) 216)

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Serotonin; rCMRglc (Freo, U. (600) 249)

Suprachiasmatic nuclei; Serotonin; Glutamate; Fos; Light; Hamster (Selim, M. (621) 181)

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Glutamate; γ-Aminobutyric acid; Glycine; Benzodiazepine; *N*-Methyl-D-aspartate; Dorsal horn; Substantia gelatinosa; γ-Aminobutyric acid$_A$; γ-Aminobutyric acid$_B$ (Albin, R.L. (604) 354)

Kainate; Excitatory amino acid; Pentobarbital; Barbiturate; Anesthetic (Marszalec, W. (608) 7)

Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Phenobarbital; Thiamylal; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Seizure; Epilepsy; Glutamate; Excitatory amino acid; Development; Spectral analysis (Holmes, G.L. (623) 325)

Extracellular recording; Ionotropic receptor; Metabotropic receptor; Cultured cerebellar neuron; ACPD; AMPA (Fox, E.A. (631) 59)

Ammonium ion; CA1 Pyramidal neuron; Hippocampal slice; Synaptic transmission; *N*-Methyl-D-aspartate (Fan, P. (632) 225)

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Rabbit
Eye movement; Oculomotor system; Corneal reflex; Eyeball retraction; Blink reflex; Superior rectus muscle; Levator palpebrae muscle (Guerra-Seijas, M.J. (601) 1)

Development; Brain; Insulin; Insulin-like growth factor; Receptor (Devaskar, S.U. (605) 101)

Choroid plexus; Cerebrospinal fluid; Angiotensin II (Maktabi, M.A. (606) 44)

Classical conditioning; Cerebellar cortex; Learning; Retention; Nictitating membrane; Cerebellum; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

Hippocampus; Conditioning; CA1; Jaw movement (Swain, C.G.O.R.A. (608) 150)

Cholinergic basal forebrain afferent; Hamster; Bank vole; Yellow necked wood mouse (Garrett, B. (609) 341)

Calpain; Calpastatin; Eye; Immunohistochemistry (Persson, H. (611) 272)

Medial geniculate nucleus; Heart rate conditioning; Acoustic thalamus; Ibotenic acid lesion; Electrolytic lesion (McCabe, P.M. (619) 291)

Cerebral blood flow; Autoregulation; Laser Doppler flowmetry; Calcium antagonist (Florence, G. (625) 301)

α_2 Adrenergic agonist; Dexmedetomidine; Ischemia, cerebral; Norepinephrine; Microdialysis (Matsumoto, M. (627) 325)

Long-term depression; Cerebellum; Purkinje cell; Nictitating membrane response; Slice (Schreurs, B.G. (631) 235)

Rabbit mutant
Myelin; *Plp* gene; X-linked; *pt* mutation (Tosic, M. (625) 307)

Raclopride
Quinelorane; Dopamine D_2 agonist; 3,4-Dihydroxyphenylacetic acid; Dopamine (Eaton, M.J. (629) 53)

Radial arm maze
Spatial memory; Hippocampus; Corticosterone; Serotonin (Luine, V.N. (616) 65)

Radial maze
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Pharmacological interaction; Propranolol; Atenolol; Scopolamine; Rat (Ohta, H. (622) 353)

Radiated activity
Diaphragm; Tonic activity; Spinal origin; Respiratory pattern generator; Fetal lamb (Berger, P.J. (612) 299)

Radiation
Developing neuron; Neurogenesis; Corticospinal tract neuron (Ochiai, H. (603) 129)

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Amplitude modulated; Carrier wave; Subharmonics; Acetylcholine esterase (Kunjilwar, K.K. (601) 321)

Radioimmunoassay
Rodent brain; Intracellular buffer; Calcium-binding protein; Image analysis (Plogmann, D. (600) 273)

Naltrexone; Morphine level; Brain region; Spinal cord (Bhargava, H.N. (607) 1)

Cocaine; Corticotropin-releasing factor; Hypothalamus; Extrahypothalamic-limbic brain region (Sarnyai, Z. (616) 315)

Cholecystokinin; Morphine; Tolerance; Gene expression (Ding, X.Z. (625) 139)

Radioligand binding
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Acetylcholinesterase; Spectrophotometry; In vivo; Striatum; Rat; WR 2721 (Clarençon, D. (608) 155)

Ramified microglia
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Random array
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Raphe
Depression; Serotonin; Single-unit; Neonatal treatment; Rat; Chlorimipramine; Clomipramine (Yavari, P. (611) 31)

Raphe nucleus
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Circadian rhythm; Clorgyline; Serotonin; Dopamine; Suprachiasmatic nucleus; Syrian hamster (Ozaki, N. (627) 41)

Feeding; 8-Hydroxy-2-(di-*n*-propylamino)tetralin; Idazoxan; Norepinephrine; Serotonin; Hypothalamic paraventricular nucleus (Currie, P.J. (627) 153)

Rapid adaptation
Calretinin; Calbindin D-28k; Dorsal root ganglia; Herbst corpuscle; Muscle spindle (Duc, C. (622) 321)

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Hypoglossal motoneuron; Carbachol; GABA; Glycine; Atonia; Strychnine; Bicuculline (Kubin, L. (611) 300)

Sleep-deprivation; Rebound; Cerebrospinal fluid; Vasoactive intestinal peptide (Jiménez-Anguiano, A. (631) 345)

Rapid eye movement sleep deprivation
Sleep deprivation; Sleep function; Adrenoceptor; Receptor regulation (Tsai, L.-L. (602) 221)

Rapp SS/Jr rat
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Rat
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Glutamate; Immunocytochemistry; Supraoptic nucleus; Vasopressin; Neuroendocrine; Hypothalamus; Electron microscopy (Meeker, R.B. (600) 112)

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Auditory evoked potential; Auditory cortex response; Multiple auditory system (Simpson, G.V. (602) 240)

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Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Melatonin; Pineal gland; Cell culture (Simonneaux, V. (603) 148)

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Reactive oxygen species; Hyperbaric oxygen; Convulsion (Zhang, J. (606) 56)

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Tyrosine hydroxylase; Catecholaminergic area; Dihydralazine; Norepinephrine turnover rate (Schmitt, P. (611) 61)

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Rat cerebral cortex
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Rat rostral ventrolateral medulla
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Rat visual system
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Reaction time
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Reactive astrocytes and ischemia
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Reactive gliosis
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Reactive oxygen intermediate
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Benzodiazepine; GABA; Chloride channel; Learned helplessness; Coping behavior; Shuttlebox escape learning; Anxiety; Depression (Drugan, R.C. (631) 270)

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α_1 Receptor
6-Hydroxydopamine; Spinal cord; Hindlimb flexor reflex; Motor reflex (Simmons, K.E. (611) 231)

Receptor affinity site
Calcitonin gene-related peptide; Gpp(NH)p; Receptor subtype; G-protein; Brain; Atria; Vas deferens (Van Rossum, D. (617) 249)

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Cholecystokinin receptor antagonist; L-365,260; Visceral afferent; Feeding; Nucleus tractus solitarii; MK-329; Area postrema (Corp, E.S. (623) 161)

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$GABA_A$ receptor; Label-fracture; Fracture-flip; Cortical neuron; Cerebellar granule cell (Caruncho, H.J. (603) 234)

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Sigma; Dystonia; DTG; Movement; Age; Receptor (Hemstreet, M.K. (627) 291)

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Refractory period
Reticulospinal; Conduction velocity; Medulla; Reflex; Monosynaptic (Yeomans, J.S. (617) 309)

DiI; Collision; Conduction velocity; Medulla; Reflex (Hempel, C.M.E. (617) 329)

Regeneration
Plasticity; Dorsal horn; Dorsal column nuclei; Cuneate nucleus; Primate (Florence, S.L. (601) 343)

Spinal cord injury; Command system; Lamprey; Locomotion; In vitro; Brainstem (Davis Jr., G.R. (602) 131)

Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Age; Electromyogram; Transcutaneous stimulation (Campbell, J.J. (603) 264)

Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Electrotherapy; Direct current; Electric field (Pomeranz, B. (603) 271)

Hippocampus; Norepinephrine; Tyrosine hydroxylase; DSP-4; Biochemical compensation (Robinson, G.B. (614) 21)

Spinal cord; Central nervous system; Horseradish peroxidase; Goldfish (Sharma, S.C. (620) 221)

Endoneurial capillary; Sciatic nerve; Rat; Nerve crush (Podhajsky, R.J. (623) 117)

Lipophilic tracer DiI; DiI; Tract tracing; Sensory system; Teleost; Topography; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

Axon growth; Adult spinal cord; Fiber tract; Embryonic transplant; Myelin (Li, Y. (629) 115)

Mauthner cell; Spinal cord; Reticulospinal neuron; Vestibulospinal neuron; Teleost fish; Goldfish (Bentley, A.P. (630) 333)

Microneurography; Peripheral nerve; Intraneural stimulation; Degeneration (Rice, A.S.C. (631) 221)

Dorsal root ganglion; GAP-43; Unmyelinated fiber (Chung, K. (632) 80)

Regional blood flow
Locus ceruleus; L-Glutamate; Blood pressure; Vascular resistance; Rat (Miyawaki, T. (600) 56)

Seizure; Status epilepticus; Cardiac output; Sudden death; Rat (Kreisman, N.R. (626) 295)

Regional brain localization
Monoamine oxidase A; Monoamine oxidase B; Monoclonal antibody; Cellular distribution; Intracellular distribution; Rat tissue; Monkey tissue; Immunocytochemistry; Electron microscopy (Westlund, K.N. (612) 221)

Regional cerebral blood flow
Spreading cortical depression; Nitric oxide; Endothelium-derived relaxing factor; Rat (Duckrow, R.B. (618) 190)

Cardiac arrest; Dog; Hypothermia; Ischemia; Perinatal (Yager, J.Y. (620) 122)

Cocaine; Time–course; Autoradiography; Mesolimbic; Nigrostriatal (Stein, E.A. (626) 117)

Regional cerebral glucose utilization
2-Deoxyglucose autoradiography; Dopamine D_1 receptor; Dopamine D_2 receptor; Amphetamine; Basal ganglia (Trugman, J.M. (607) 270)

Regional distribution
Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Sandwich-enzyme immunoassay; Monoclonal antibody; High-performance liquid chromatography; Central nervous system; Rat (Masuo, Y. (602) 57)

Regional superfusion
Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Analgesia; Nociception; Glycine; GABA; Taurine; Glutamate; Aspartate (Masters, D.B. (621) 279)

Regional volume
Forebrain ischemia; Chronic survival; Neuronal loss; Shrinkage; Rat brain (Beck, T. (605) 280)

Regulation
Na^+,K^+-ATPase; Glia; Sodium pump; Glutamate; Excitotoxicity; Telencephalic culture (Brines, M.L. (631) 12)

Regulation of neuronal nicotinic acetylcholine receptor
Pharmacology of neuronal nicotinic acetylcholine receptor; Ciliary ganglion neuron (Spitsbergen, J.M. (615) 128)

Rehabilitation
Maternal alcohol exposure; Ganglioside; Glycosidase; Cerebrum; Cerebellum; Brainstem (Prasad, V.V.T.S. (610) 75)

Reinforcement
Morphine; Conditioned place preference; CXBK mouse; Naloxonazine; μ Opioid receptor subtype; Dopamine D_1 receptor (Suzuki, T. (602) 45)

Cocaine; Self-administration; Development; Stress; Emotional stress; Physical stress; Footshock; Rat (Ramsey, N.F. (608) 216)

Locomotor activity; Nucleus accumbens; Neuropeptide; Dopamine (Robledo, P. (622) 105)

Ethanol self-administration; 6-Hydroxydopamine; Dopamine; Nucleus accumbens; Mesolimbic (Rassnick, S. (623) 16)

Δ^9-Tetrahydrocannabinol; (−)-CP-55,940; Operant conditioning; Hippocampal CA1 cell; Extracellular recording; Marijuana; Cannabinoid receptor (Xue, B.G. (626) 272)

Rejection behavior
Female sex behavior; Vocalization; Nerve growth factor; Anti-nerve growth factor; Weight gain (Gibbs, R.B. (610) 256)

Release
Synaptosome; γ-Aminobutyric $acid_B$ receptor; Glutamate release; Aspartate release; γ-Aminobutyric $acid_B$ receptor subtype (Pende, M. (604) 325)

Acetylcholine; N^6-Cyclopentyl adenosine; CGS 21680; Adenosine; Cerebral cortex (Phillis, J.W. (605) 293)

Substance P; Neostriatum; Nucleus accumbens; Amphetamine (Furmidge, L.J. (610) 234)

Vasoactive intestinal polypeptide; Pituitary adenylate cyclase activating polypeptide; Acetylcholine; Tetrodotoxin; Hippocampus; Rat; Microdialysis (Masuo, Y. (611) 207)

L-DOPA; Striatum; Glutamate; Parkinson's disease; Transmitter; Rat (Goshima, Y. (617) 167)

Enkephalin; Acetylcholine; Nicotinic receptor; Retina; Chick; Atropine; Tubocurarine (Boelen, M.K. (624) 137)

γ-Aminobutyric acid; Norepinephrine; Human neocortex; Slice; Synaptosome (Ferraro, L. (629) 103)

Release kinetics
Long-term potentiation; Hippocampus; Glutamate receptor; Channel kinetics; Decay time constant; Paired-pulse facilitation (Ambros-Ingerson, J. (620) 237)

REM sleep
Muscarinic M_1 receptor; Biperiden; Trihexyphenidyl; Scopolamine; Sleep–wake cycle; Cholinergic sleep (Zoltoski, R.K. (608) 186)

Somatosensory; Single unit; Rhythmic discharge; Spindle; Slow wave sleep (Marks, G.A. (623) 241)

Cholinergic function; Sleep; Arousal (Szymusiak, R. (629) 141)

Renal nerve
Cerebellum; Climbing fiber; Visceral afferent; Autonomic system; Somatosensory (Tong, G. (601) 65)

Sympathetic preganglionic neuron; Postganglionic neuron; Retrograde tracing; Intermediolateral cell column; Kidney (Schramm, L.P. (616) 251)

Renin
Serotonin; Prolactin; Vasopressin; Corticosterone; Antidepressant (Li, Q. (630) 148)

Renin-angiotensin
Autonomic nervous system; Sympathetic; Parasympathetic; Kidney; Rat (Holmes, P.V. (621) 1)

Repeated acquisition
Lead; Learning; Performance; MK-801; Dizocilpine; NMDA receptor (Cohn, J. (600) 208)

Repeated amphetamine
Sensitization; Microdialysis; Dopamine; Ventral te¸;mental area; Nucleus accumbens; Locomotion (Vezina, P. (605) 332)

Repeated noxious stimulation
Analgesia; Immobility; Animal hypnosis; Somatic sensory stimulation; Pinch (Fleischmann, A. (601) 28)

Repeated stress
Corticotropin-releasing hormone; Vasopressin; Paraventricular nucleus; Adrenocorticotropin; Glucocorticoid (Kiss, A. (630) 262)

Reperfusion
Ischemia; Dopamine release; Striatum; *N*-Methyl-D-aspartate receptor; Cardiac arrest (Werling, L.L. (606) 99)

α-Tocopherol; Cerebral ischemia; Brain; Lipid peroxidation; Stroke (Yue, T.-L. (610) 53)

Reproduction
Torpor; Seasonal cycle; Body mass; Testosterone (Ruby, N.F. (608) 1)

Marsupial; Steroid receptor; Medial preoptic area; *Monodelphis*; Limbic system; Septum (Pearson, P.L. (617) 171)

Spinal cord; Uterus; Hypogastric nerve; Pelvic nerve; Visceral sensation (Wall, P.D. (622) 71)

Aromatase immunocytochemistry; Preoptic area; Polymerase chain reaction; Japanese quail; Sexual behavior (Harada, N. (622) 243)

Reproductive function
Luteinizing hormone; Hypothalamus; Immune system; Ovulatory cycle; Stress mechanism; Transcription factor; Immunocytochemistry; Push–pull (Rivest, S. (613) 132)

Reserpine
Histamine; Histamine H_3 receptor; Brain; Rat; Basal ganglia (Cumming, P. (602) 53)

Electromyography; Muscle tone; 6-Hydroxydopamine; Dopamine; Brain; Rat (Double, K.L. (604) 342)

Dopamine D_1/D_2 synergism; Dopamine D_1 receptor; Dopamine D_2 receptor; Stereotypy; Independence; α-Methyl-*p*-tyrosine; 6-Hydroxydopamine (LaHoste, G.J. (611) 108)

Entrainment; Catecholamine; Serotonin; Aging (Penev, P.D. (612) 156)

Clonidine; Memory; Prefrontal cortex; Norepinephrine; Monkey (Cai, J.X. (614) 191)

Tryptophan hydroxylase; Tyrosine hydroxylase; mRNA; In situ hybridization; Caudal brainstem; Adrenal gland (Park, D.H. (620) 331)

Resetting
Cerebellum; Interpositus nucleus; Cortical masticatory area; Mastication; Jaw movement; Rhythm (Katayama, T. (617) 143)

Resistive behavior
Lordosis; Serotonin; Proceptivity (Uphouse, L. (601) 203)

Respiration
Spinal cord injury; Functional recovery; Motor system; Ultrastructure; Phrenic nucleus (Goshgarian, H.G. (600) 169)

Lateral parabrachial nucleus; Glutamate receptor subtype agonist (Takayama, K. (604) 217)

γ-Aminobutyric $acid_B$ receptor; Respiratory neuron; Baclofen; CGP 35348; Cat (Pierrefiche, O. (605) 77)

Vomiting; Coughing; Kainic acid; Cervical spinal cord; Inspiratory neuron; Propriospinal neuron; Intercostal discharge pattern (Miller, A.D. (606) 143)

Songbird; Vocalization; Tract tracing (Wild, J.M. (606) 319)

Periaqueductal gray; Vocalization; Midbrain; Hering–Breuer reflex; Larynx; Upper airway reflex; Excitatory amino acid; Defence (Davis, P.J. (607) 61)

Anoxia; Glycolysis; Mitochondria; Synaptosome (Gleitz, J. (611) 286)

t-ACPD; AMPA; AP-7; Blood pressure; DNQX; Heart rate; Kainate; NMDA; Pulmonary J receptor; Rat (Vardhan, A. (618) 23)

In vitro; Hypoglossal nerve; Brain tissue oxygen; Hypoxia; Ischemia (Schäfer, T. (618) 246)

Gamma-aminobutyric acid; Hypothalamus; Anxiety; Muscimol; Bicuculline methiodide; Picrotoxin; Heart rate (Shekhar, A. (627) 9)

Vestibular system; Posture; Sympathetic nervous system; Cardiovascular regulation; Orthostatic hypotension (Yates, B.J. (629) 209)

Respiratory control
Airway control; Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Cough reflex; Ondine's curse; Sudden infant death syndrome; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Respiratory exchange ratio
Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Respiratory failure
Neuromuscular junction; Flexible microelectrode; Maturation; Diaphragm (Bazzy, A.R. (600) 349)

Respiratory neuron
γ-Aminobutyric $acid_B$ receptor; Respiration; Baclofen; CGP 35348; Cat (Pierrefiche, O. (605) 77)

Apnea; Ethmoidal; Nucleus tractus solitarii; Brainstem; Nasal mucosa; Respiratory reflex (Boissonade, F.M. (605) 345)

Cat; Brainstem; Substance P (4–11) amide; Serotonin; In vivo; Microiontophoresis (Rampin, O. (622) 185)

Membrane potential; Input resistance; Baclofen; Tetrodotoxin; Iontophoresis (Haji, A. (622) 294)

Respiratory pattern generator
Diaphragm; Tonic activity; Radiated activity; Spinal origin; Fetal lamb (Berger, P.J. (612) 299)

Respiratory pumping
Aplysia; Learning; Defense; pH; Salinity; Serotonin (Levy, M. (616) 218)

Respiratory quotient
Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Thermogenesis; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Respiratory reflex
Apnea; Ethmoidal; Nucleus tractus solitarii; Brainstem; Respiratory neuron; Nasal mucosa (Boissonade, F.M. (605) 345)

Respiratory rhythm
cAMP; Pre-I neuron; Rostral ventrolateral medulla; Newborn rat; in vitro (Arata, A. (605) 193)

Response–intensity relation
Input–output relation; Synaptic gain; Depolarizing bipolar cell; Hyperpolarizing bipolar cell; Spectral sensitivity; Horizontal cell; Dark adaptation (Yang, X.-L. (613) 275)

Response threshold
Nicotine; Cotinine; Nicotinic cholinergic receptor; Vestibular system; Vestibular efferent; Chick (Roll, R.L. (604) 260)

Resting $[Ca^{2+}]_i$
Cytosolic calcium; Fura-2; NMDA; Neuron; $\Delta[Ca^{2+}]_i$ (Nakajima, K. (603) 321)

Restraint
Nucleus accumbens; Microdialysis; Rat; Habituation; Depression (Imperato, A. (601) 333)

Restraint stress
Microdialysis; Glucose; Cerebral blood flow; Hydrogen clearance; Unanaesthetised; Rat brain; Tail pinch (Fellows, L.K. (604) 225)

Zinc and amino acid release; Rat hippocampus (Itoh, T. (618) 318)

Amygdala; Hippocampus; Hypothalamus; Ventral striatum; Dorsal striatum; Frontal cortex; Corticosterone; 6-Hydroxydopamine lesion; Dopamine (Casolini, P. (622) 311)

Retention
Classical conditioning; Cerebellar cortex; Learning; Nictitating membrane; Rabbit; Cerebellum; Aspiration; Timing (Woodruff-Pak, D.S. (608) 67)

Reticular formation
Auditory-evoked potential; Hippocampus; Rat (Bickford, P.C. (607) 33)

Reticulospinal
Conduction velocity; Refractory period; Medulla; Reflex; Monosynaptic (Yeomans, J.S. (617) 309)

Reticulospinal neuron
Excitatory amino acid; Glutamate metabotropic receptor; Sensory transmission; Vestibular input; Lamprey (Alford, S. (605) 175)

Hypoxia; Barosensitive neuron; Rostral ventrolateral medulla; Rat (Sun, M.-K. (609) 333)

Mauthner cell; Spinal cord; Regeneration; Vestibulospinal neuron; Teleost fish; Goldfish (Bentley, A.P. (630) 333)

Retina
Parvalbumin; Calcium; Calcium-binding protein; Immunohistochemistry (Sanna, P.P. (600) 141)

Melatonin; Tryptophan hydroxylase; Kainic acid; Serotonin; Amacrine cell; Bipolar cell (Thomas, K.B. (601) 303)

Circadian rhythm; Disk shedding; Suprachiasmatic nucleus (Terman, J.S. (605) 256)

Glutamate; Spreading depression; Excitatory amino acid receptor; 2,3-Dihydroxy-6-nitro-7-sulfamoylbenzo(f)quinoxaline; *N*-Methyl-D-aspartate receptor (Sheardown, M.J. (607) 189)

Visual system; Retinal ganglion cell; Lateral geniculate nucleus; Superior colliculus; Bilateral projection; Axon collateralization; Rat (Kondo, Y. (608) 204)

Aqueous humor; Ciliary process; Nicotinamide-adenine dinucleotide phosphate diaphorase; Nitric oxide synthetase (Osborne, N.N. (610) 194)

cGMP; Olfactory cilium; Taste bud; Circumvallate papilla (Borisy, F.F. (610) 199)

Müller cell; Glia; Proliferation; *N*-Methyl-D-aspartate receptor channel; Glutamate (Uchihori, Y. (613) 212)

Spreading depression; Müller cell; Neuronal–glial interaction (Fernandes de Lima, V.M. (614) 45)

Dopamine; Dopamine D_2 receptor; Rod outer segment; Rat (Vuvan, T. (614) 57)

Turtle; Horizontal cell; Network; Dye coupling; Neurobiotin; Voronoi–Delaunay tiling; Mosaic (Ammermüller, J. (616) 351)

Tetraethylammonium; 4-Aminopyridine; Potassium channel; Cone photoreceptor; Horizontal cell; Turtle (Perlman, I. (619) 89)

Chromogranin; Transmitter release; Dopamine (Gibson, C.J. (622) 303)

Enkephalin; Acetylcholine; Nicotinic receptor; Chick; Release; Atropine; Tubocurarine (Boelen, M.K. (624) 137)

Norepinephrine; Dopamine; Horizontal cell; Goldfish (Baldridge, W.H. (626) 210)

Dopamine; Rod; Cone; Horizontal cell; *Xenopus* (Križaj, D. (627) 122)

Immediate-early gene; Cholinergic receptor; Glutamate receptor; Dopamine receptor; *c-fos*; NGFI-A (Gudehithlu, K.P. (631) 77)

Nitric oxide synthase; Optic nerve; Pterygopalatine ganglion; Denervation; Rat (Yamamoto, R. (631) 83)

CNS; Superior colliculus; NGF; Neurite outgrowth; Rat (Bosco, A. (632) 303)

Retina cell
γ-Aminobutyric acid release; Glutamate; Calcium; Nitrendipine; ω-Conotoxin GVIA; NNC-711 (Duarte, C.B. (611) 130)

Retinal deafferentation
Calretinin; Calcium-binding protein; Superior colliculus; Eye enucleation; Plasticity; Immunohistochemistry; Rat (Arai, M. (613) 341)

Retinal ganglion cell
Visual system; Retina; Lateral geniculate nucleus; Superior colliculus; Bilateral projection; Axon collateralization; Rat (Kondo, Y. (608) 204)

Retinal ganglion neuron
Astrocyte; Ensheathing cell; Glial maturation; SV40 large T antigen; Retroviral vector (Goodman, M.N. (619) 199)

Retinal projection
Fluorescent tracer; Rhodamine β-isothiocyanata; Transneuronal tracing; Isthmo-optic nucleus; Bird (Miceli, D. (601) 289)

Retinohypothalamic tract
Circadian rhythm; Entrainment; Suprachiasmatic nucleus; Glutamate; Electrophysiology (Meijer, J.H. (603) 284)

Circadian rhythm; Glutamate; Post-embedding immunogold; Suprachiasmatic nucleus (De Vries, M.J. (612) 231)

Suprachiasmatic nucleus; Circadian rhythm; Phase response curve; Neuropeptide Y; Single unit; Geniculohypothalamic tract (Shibata, S. (615) 95)

Suprachiasmatic nucleus; Substance P; Enzyme immunoassay; Rat; Circadian rhythm (Otori, Y. (619) 271)

Retinoic acid
N-18 Cell; DNA methylation; Choline acetyltransferase; Tyrosine hydroxylase; Neuronal differentiation; Cyclic AMP (Okuse, K. (626) 225)

Retinoic acid synthesis
Vitamin A metabolism; Cerebrum; Cerebellum; Gray matter; White matter; Meninges (Dev, S. (632) 325)

Retinopetal system
Cyclostome; Axonal tracing; Immunocytochemistry; GABA (Rio, J.P. (600) 9)

Retinotectal pathway
Superior colliculus; Long-term potentiation (LTD); Corticotextal pathway; LTP inhibition; GABA (Hirai, H. (629) 23)

Retrograde amnesia
Long-term memory; Recent memory; Traumatic brain injury; Post-traumatic amnesia; Anterograde amnesia (Gorman, L.K. (614) 29)

Retrograde labeling
Basal forebrain; Thalamus; Pedunculopontine tegmental nucleus; Dorsal raphe nucleus; Acetylcholine; Serotonin; Immunohistochemistry (Losier, B.J. (604) 41)

Retrograde tracer
Tyrosine hydroxylase; Immunocytochemistry; Nucleus tractus solitarii; Ventrolateral medulla; Locus coeruleus (Petrov, T. (609) 81)

Antinociception; Dopamine β-hydroxylase; Fluoro-Gold; Norepinephrine; *Phaseolus vulgaris*-leucoagglutinin; Pons; Tyrosine hydroxylase (Clark, F.M. (616) 200)

Sexual behavior; Medial preoptic area; Fetal brain transplant; Fluorogold; Lisuride (Paredes, R.G. (620) 351)

Retrograde tracing
Noradrenaline; Neuropeptide Y; Coexistence; Synaptic inputs; Nucleus preopticus medianus; Paraventricular hypothalamic nucleus; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Pigeon; Immunocytochemistry; Telencephalon; Tegmentum; Substantia nigra; Area ventralis tegmentalis; Neostriatum (Waldmann, C. (600) 225)

Brainstem; Thalamus; Neuropeptide; Immunohistochemistry; Rat (Lechner, J. (603) 47)

Zinc-containing neuron; Zinc; Septal nucleus; Hippocampus; Subiculum (Mandava, P. (608) 115)

Sympathetic preganglionic neuron; Postganglionic neuron; Intermediolateral cell column; Kidney; Renal nerve (Schramm, L.P. (616) 251)

Gonadotropin-releasing hormone; Brainstem; Dopamine β-hydroxylase; Rat (Wright, D.E. (621) 272)

Retrograde transport
Rostral ventral medulla; Parapyramidal region; Cardiovascular regulation; Pain; Locus ceruleus (Van Bockstaele, E.J. (603) 1)

Motoneuron; Gene delivery system; Plasmid gene construct (Sahenk, Z. (606) 126)

Striatum; Motor control; Drug abuse (Van Bockstaele, E.J. (624) 188)

Herpes simplex virus; Fluoro-Gold; Mouse; Antiviral (LaVail, J.H. (625) 57)

Intermediolateral nucleus; Sacral parasympathetic nucleus; Cat (Lü, Y. (632) 351)

Retroviral transduction
SV40 large T antigen; Neuronal cell line; Medullary raphe; Differentiation; Neurotrophin; Proto-oncogene trk (Whittemore, S.R. (615) 27)

Retroviral vector
Astrocyte; Ensheathing cell; Glial maturation; Retinal ganglion neuron; SV40 large T antigen (Goodman, M.N. (619) 199)

Reversal discrimination
Cholinergic system; Dopaminergic system; Memory; Inhibitory avoidance; Cholinergic/dopaminergic interaction (Gasbarri, A. (627) 72)

Reverse hemolytic plaque assay
Circadian rhythm; Pineal; Melatonin; *Anolis* (Pickard, G.E. (627) 141)

Reverse-phase evaporation vesicles
Porcine calcitonin; Sulfatide; Antinociception; Blood–brain barrier (Chen, D. (603) 139)

Reverse phase HPLC
Oxytocin-like; FMRFamide-like; Sex segmental ganglia; Leech; Immunocytochemistry; Immunoassay; Anti-diuretic effect (Salzet, M. (601) 173)

Reverse transcriptase PCR
Thrombin; Primary astrocyte; Endothelin; Endothelin receptor; Inositolphospholipid turnover; AP1 (Ehrenreich, H. (600) 201)

Reward
Lateral hypothalamus; Self-stimulation; Opioid; Feeding (Carr, K.D. (607) 141)

Rhabdovirus
Tract-tracing; Intranasal inoculation; Viral propagation; Main olfactory system (Astic, L. (619) 146)

Rhesus monkey
Direct delayed response task; Prefrontal cortex; Lesion; Parietal cortex; Short-term visual spatial memory (Pu, X. (600) 187)

Prorhinal cortex; Perirhinal cortex; Superior temporal sulcus; Cytochrome oxidase; In situ hybridization; Cortico-cortical connection; Alzheimer's disease (Chandrasekaran, K. (606) 213)

Granular insula; Single unit; Somatosensory; Bilateral receptive field (Schneider, R.J. (621) 116)

Rhizotomy
NADPH diaphorase; Lumbar spinal cord; Nitric oxide; Primary afferent; Sacral parasympathetic nucleus (Vizzard, M.A. (607) 349)

Adenosine 5′-triphosphate; Spinal cord; Synaptosome; Capsaicin; 6-Hydroxydopamine (Sawynok, J. (610) 32)

Serotonin receptor; 5,7-Dihydroxytryptamine; 6-Hydroxydopamine; DSP-4; Ibotenic acid; Kainic acid; Capsaicin (Kidd, E.J. (612) 289)

Rhod-2
Microfluorometry; Calcium; Hippocampus; Dantrolene; Extracellular DC potential; Ischemia-like condition; Gerbil (Mitani, A. (601) 103)

Rhodamine
Arterial pressure; Brain slice; Chemoreceptor; Hypoxia; Hypercapnia; Rat (Nolan, P.C. (630) 101)

Rhodamine β-isothiocyanata
Fluorescent tracer; Transneuronal tracing; Isthmo-optic nucleus; Retinal projection; Bird (Miceli, D. (601) 289)

Rhythm
Aging; Circadian; Clock; Entrainment; Activity; Benzodiazepine; Sleep; Arousal (Van Reeth, O. (607) 286)

Cerebellum; Interpositus nucleus; Cortical masticatory area; Mastication; Jaw movement; Resetting (Katayama, T. (617) 143)

μ Rhythm
Magnetoencephalography; Suppression; Tremor; Parkinson's disease; Somatomotor cortex; Evoked response; Human (Mäkelä, J.P. (617) 189)

Rhythmic discharge
Somatosensory; Single unit; Spindle; Slow wave sleep; REM sleep (Marks, G.A. (623) 241)

Rhythmic slow activity
Field potential; Rat; Current source density (Brankack, J. (615) 310)

Ribosome
Hippocampus; Ultrastructure; Synaptic plasticity; Long-term potentiation; Protein synthesis (Wenzel, J. (619) 331)

Ricin A chain
Monoclonal antibody to CRF; Paraventricular nucleus; Ventromedial hypothalamus; Corticotropin-releasing factor radioimmunoassay; Food intake; Neuropeptide Y; Dexamethasone (Menzaghi, F. (618) 76)

RII binding protein
cAMP protein kinase; Phosphoprotein; Stable microtubule; Cerebral cortex; Rat (Perez, J. (602) 77)

Rimmed vacuole
Oculopharyngeal muscular dystrophy; Inclusion body myositis; Cathepsin; Amyloid precursor protein; Lysosome; Muscle biopsy (Villanova, M. (603) 343)

Risperidone
Clozapine; Haloperidol; 5-HT_2 receptor; Dopamine D_2 receptor (Schotte, A. (631) 191)

Ritanserin
Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1C} receptor; Serotonin 5-HT_2 receptor; Oxytocin; Vasopressin; Male rat; Buspirone; DOI; Ipsapirone; 8-OH-DPAT; NAN-190 (Bagdy, G. (611) 330)

mRNA
Dyskinesia; Iminodipropionitrile; Ceruletide; Long-lasting effect; Dopaminergic neuronal system (Hirata, H. (604) 197)

Bradykinin; Tyrosine hydroxylase; Dopamine β-hydroxylase; Calcium; Catecholamine (Gebreyesus, K. (608) 345)

Acrylamide; c-*fos*; c-*jun*; Chemical injury; Neurotoxicity (Endo, H. (609) 231)

Ciliary neurotrophic factor; Ciliary neurotrophic factor receptor; Sciatic nerve; Spinal cord; PCR (Mata, M. (610) 162)

Rat hypothalamus; Long-term culture; GABA; Vasopressin; Opioid peptide (Wahle, P. (611) 37)

Spreading depression; Glial fibrillary acidic protein; MK-801 (Bonthius, D.J. (618) 83)

Middle cerebral artery occlusion; Ischemia; Heat shock protein; In situ hybridization; Immunocytochemistry (Kinouchi, H. (619) 334)

Tryptophan hydroxylase; Tyrosine hydroxylase; In situ hybridization; Reserpine; Caudal brainstem; Adrenal gland (Park, D.H. (620) 331)

Striatum; Neonatal 6-hydroxydopamine; Glutamate decarboxylase; Preproenkephalin; Dopamine D_2 receptor (Soghomonian, J.-J. (621) 249)

Brain; Basic fibroblast growth factor; Rose bengal; Cerebral ischemia; In situ hybridization; Rat (Lippoldt, A. (625) 45)

Somatostatin; Rat; Environment; Cortex; Northern blot; Behavior (Nilsson, L. (628) 93)

mRNA stability
Glutamic acid decarboxylase; Purkinje cell; Firing rate; Climbing fiber lesion; Cerebellum; Glutamic acid decarboxylase$_{67}$ mRNA (Drengler, S.M. (615) 175)

mRNA transport
Astrocyte; Endocytosis; Immunoelectron microscopy; Neurohypophysis; Neuron-glia interaction; Neurosecretion; Phagocytosis (Boersma, C.J.C. (611) 117)

Ro 5-4864
Benzodiazepine receptor; Diazepam; Nitrazepam; Clonazepam; Calcium channel (Watabe, S. (606) 244)

Ro 15-4513
Benzodiazepine; Bretazenil; Ro 17-1812; Palatability; Salt (Cooper, S.J. (612) 313)

Ro 17-1812
Benzodiazepine; Bretazenil; Ro 15-4513; Palatability; Salt (Cooper, S.J. (612) 313)

Rod
Tupaia; Cone; Short-wavelength-sensitive cone; Color vision; Visual pigment antibody; Monoclonal antibody (Petry, H.M. (616) 344)

Dopamine; Cone; Horizontal cell; Retina; *Xenopus* (Križaj, D. (627) 122)

Rodent
Substantia nigra pars reticulata; Dopamine; Dopamine D_1 receptor; Amphetamine; SCH 23390; Sulpiride; Apomorphine; Striatonigral pathway (Yurek, D.M. (623) 56)

Rodent brain
Intracellular buffer; Calcium-binding protein; Radioimmunoassay; Image analysis (Plogmann, D. (600) 273)

Rod outer segment
Dopamine; Dopamine D_2 receptor; Retina; Rat (Vuvan, T. (614) 57)

Rolipram
PC12; cAMP; Differentiation (Akaike, N. (620) 58)

Rose bengal
Brain; Basic fibroblast growth factor; mRNA; Cerebral ischemia; In situ hybridization; Rat (Lippoldt, A. (625) 45)

Rostral ventral medulla
Retrograde transport; Parapyramidal region; Cardiovascular regulation; Pain; Locus ceruleus (Van Bockstaele, E.J. (603) 1)

Rostral ventrolateral medulla
Angiotensin; Amastatin; Bestatin; Blood pressure (Sasaki, S. (600) 335)

Vestibular system; Otolith organ; Semicircular canal; Sympathetic nervous system; Spinal cord; Cardiovascular regulation (Yates, B.J. (601) 255)

cAMP; Respiratory rhythm; Pre-I neuron; Newborn rat; in vitro (Arata, A. (605) 193)

Limbic system; Autonomic pathway; Brainstem; Arterial pressure; Cardiovascular regulation (Giancola, S.B. (606) 162)

5-Hydroxytryptamine (Lewis, D.I. (609) 103)

Carotid chemoreceptor; Sympathetic chemoreflex; Caudal ventrolateral medulla; Sympathetic baroreflex; Hypoxia (Koshiya, N. (609) 174)

Hypoxia; Barosensitive neuron; Reticulospinal neuron; Rat (Sun, M.-K. (609) 333)

Spinally projecting neuron; Paraventricular nucleus; Fos; Hemorrhage (Badoer, E. (610) 216)

c-*fos*; Fos; Opiate withdrawal; Dependence and withdrawal; Autonomic nervous system; Nucleus tractus solitarii; Locus ceruleus; Amygdala; Paraventricular nucleus; A5; Catecholamine (Stornetta, R.L. (624) 19)

Rostral ventromedial medulla
Morphine; Awake rat; Antinociception (McGaraughty, S. (604) 331)

Rostroventral medulla
Pain; Caudal ventrolateral medulla; Descending pathway; Nociception (Murphy, A.Z. (606) 68)

Rotational behavior
Callosotomy; Dodging; Thigmotaxis; Lateralized behavior; Striatum; Amphetamine; Apomorphine; Interhemispheric (Sullivan, R.M. (609) 347)

Adenosine; Dopamine; Parkinson's disease; 6-Hydroxydopamine (Jiang, H. (613) 347)

Cryopreservation; Culture; Transplantation; Dopamine (Collier, T.J. (623) 249)

Rotation behavior
Dopamine; Apomorphine; High performance liquid chromatography (HPLC); D-Amphetamine; Parkinson's disease; Movement disorder (Hudson, J.L. (626) 167)

RU 26752
Corticosteroid; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; RU 28362; Corticosterone; Dexamethasone (Jacobson, L. (625) 84)

RU 28362
Corticosteroid; Glucocorticoid receptor; Mineralocorticoid receptor; Hippocampus; RU 26752; Corticosterone; Dexamethasone (Jacobson, L. (625) 84)

RU 38486
Antiglucocorticoid; Learned helplessness; Dentate gyrus (Papolos, D.F. (615) 304)

Ruffling
Alzheimer's disease; Amyloid; PC12 cell; Genetic transfection (Maestre, G.E. (621) 145)

Running activity
Behavior; GABA; Excitatory amino acid; Kainate; Ventromedial nucleus of the hypothalamus (Narita, K. (603) 243)

Ryanodine
Calcium channel; Nerve terminal; Norepinephrine; Stellate ganglion; Sympathetic nerve activity (Gurnett, C.A. (612) 238)

Chick ciliary ganglion cell; Cytosolic free calcium; Fura-2 microfluorometry; Caffeine; Muscarinic agonist; Thapsigargin (Sorimachi, M. (627) 34)

Ryanodine binding protein
Calcium ion channel; Purkinje neuron; Intracellular membrane system; Antibody; Brain (Ouyang, Y. (620) 269)

S

S-100
Calcium-binding protein; Parvalbumin; Calbindin-D28K; Calmodulin; Inner ear; Sensory hair cell (Kerschbaum, H.H. (617) 43)

S-100β
Astrocyte; Area dentata; Plasticity; 5-HT; Immunocytochemistry (Haring, J.H. (631) 119)

Saccharin
Opioid antagonist; μ Opioid receptor; κ receptor; δ Opiod receptor; Maltose dextrin; Sucrose; Palatability (Beczkowska, I.W. (618) 261)

Taste enhancement; Chorda tympani; D-Amino acid; Sweet taste receptor site; Mouse strain difference (Ninomiya, Y. (626) 287)

Saclofen
Acetylcholine; GABA; Nucleus accumbens; Microdialysis; Muscimol; Baclofen; Bicuculline (Rada, P.V. (619) 105)

Sacral parasympathetic nucleus
NADPH diaphorase; Rhizotomy; Lumbar spinal cord; Nitric oxide; Primary afferent (Vizzard, M.A. (607) 349)

Intermediolateral nucleus; Retrograde transport; Cat (Lü, Y. (632) 351)

Safety factor
Axon; Nerve conduction; Nerve fiber; Sodium ion; Conduction block (Fern, R. (616) 48)

Salinity
Aplysia; Respiratory pumping; Learning; Defense; pH; Serotonin (Levy, M. (616) 218)

Salivation
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Aphagia; Lacrimation; Diarrhea; Sensorimotor dysfunction; Atropine methylnitrate (Roland, B.L. (605) 110)

Salmon calcitonin
Brain mapping; Pain sensation; Body temperature; Intracerebral injection (Sellami, S. (616) 307)

Salt
Benzodiazepine; Bretazenil; Ro 15-4513; Ro 17-1812; Palatability (Cooper, S.J. (612) 313)

Salt appetite
Medial amygdala; Adrenal steroids (Zhang, D.-m. (600) 20)

Salt diet
Lateral hypothalamus; DOCA; Hypertension; Norepinephrine; GABA (Sessler, F.M. (613) 259)

Salt stimulus
Glossopharyngeal nerve; Integrated response; Adaptation; Inhibition; 5′-GMP; Bullfrog (Miyamoto, T. (629) 345)

Salt taste
Taste; Potassium channel; 4-Aminopyridine; Chorda tympani nerve; Channel blocker (Kim, M. (612) 96)

Sandwich-enzyme immunoassay
Pituitary adenylate cyclase activating polypeptide; Vasoactive intestinal polypeptide; Monoclonal antibody; High-performance liquid chromatography; Regional distribution; Central nervous system; Rat (Masuo, Y. (602) 57)

S-antigen
Cell culture; Microglia/macrophage; Nerve growth factor receptor; Neuroimmunology; Superior cervical sympathectomy (McNulty, J.A. (610) 108)

Saralasin
Subfornical organ; Paraventricular nucleus; Hemorrhage; Angiotensin II; Microiontophoresis; Baroreceptor reflex (Tanaka, J. (608) 141)

Satiation
Feeding suppression; Apolipoprotein A-IV; Lipid meal; Mesenteric lymph; Chylomicron; Meal size; Intestine (Fujimoto, K. (608) 233)

Scent marking behavior
Medial preoptic area; Male sex behavior; Sexually dimorphic area; *Meriones unguiculatus*; Cell-body lesion (Yahr, P. (631) 287)

SCH 23390
Spontaneously hypertensive rat; Wistar–Kyoto rat; Caudate nucleus; Dopamine D_1 receptor; Dopamine D_2 receptor; Spiperone; *N*-*n*-Propylnorapomorphine (Linthorst, A.C.E. (602) 119)

Acetylcholine release; Hippocampus; Dopamine D_1 receptor; Dopamine D_2 receptor; SKF 38393; LY 171555; Apomorphine; Microdialysis (Imperato, A. (618) 341)

Amphetamine; Eticlopride; Striatum; Sulpiride; Unit activity (Rosa-Kenig, A. (619) 347)

Substantia nigra pars reticulata; Dopamine; Rodent; Dopamine D_1 receptor; Amphetamine; Sulpiride; Apomorphine; Striatonigral pathway (Yurek, D.M. (623) 56)

Cocaine; Self-administration; Nucleus accumbens; Amygdala; Fixed ratio; Progressive ratio (McGregor, A. (624) 245)

Schistocerca gregaria
Nitric oxide synthase; Soluble guanylyl cyclase; cGMP; Calmodulin; Locust (Elphick, M.R. (619) 344)

Schizophrenia
cAMP binding; PDBu binding; G-protein immunoreactivity; Brodmann's area 22; Human postmortem brain (Nishino, N. (615) 41)

Serotonin 5-HT_3 receptor; Antipsychotic treatment; Amygdala; LY278584 (Abi-Dargham, A. (616) 53)

Behavioral sensitization; Dopamine; Stereotypy; Ventral tegmental area; Animal model; Kindling (Glenthøj, B. (619) 39)

Schwann cell
B-50; GAP-43; Axotomy; Peripheral nerve regeneration (Plantinga, L.C. (602) 69)

Acrylamide; Neurotoxicity; Nerve cell; Electron probe X-ray microanalysis; Element; Axon (LoPachin, R.M. (608) 238)

Mutant rat; Nuclear membrane; Myelination; Ultrastructure (Kondo, A. (613) 173)

Cell proliferation; Glial growth factor; Protein kinase C; Diacylglycerol; Protein kinase inhibitor (Yoshimura, T. (617) 55)

Adenosine triphosphatase; Sodium–potassium; Axonal transport; Axon; Neuron; Western blot (Mata, M. (618) 295)

Sciatic
Regeneration; Nerve regeneration; Nerve injury; Motoneuron; Age; Electromyogram; Transcutaneous stimulation (Campbell, J.J. (603) 264)

Regeneration; Nerve regeneration; Nerve injury; Motoneuron; Electrotherapy; Direct current; Electric field (Pomeranz, B. (603) 271)

Sciatic nerve
Peripheral nerve injury; Pain; Hyperalgesia; Spinal cord; NMDA antagonist; Neuropathy (Garrison, C.J. (607) 205)

Ciliary neurotrophic factor; Ciliary neurotrophic factor receptor; mRNA; Spinal cord; PCR (Mata, M. (610) 162)

Immediate early gene; Transynaptic induction; NMDA antagonist (Cameron, A.A. (620) 64)

GABA; Spinal cord; Neurectomy; Rat; Plasticity (Castro-Lopes, J.M. (620) 287)

Endoneurial capillary; Regeneration; Rat; Nerve crush (Podhajsky, R.J. (623) 117)

SCN
Melatonin; Circadian rhythm; Suprachiasmatic nucleus; Pineal gland; *Phodopus sungorus* (Margraf, R.R. (609) 45)

Scopolamine
Kindling; Hippocampus; Neuroplasticity; Seizure threshold; Long-term potentiation (Minabe, Y. (600) 322)

REM sleep; Muscarinic M_1 receptor; Biperiden; Trihexyphenidyl; Sleep–wake cycle; Cholinergic sleep (Zoltoski, R.K. (608) 186)

Morphine; Tolerance; Arginine vasopressin; Amnesia; Brain ischemia; Hypoxia; Electroconvulsive shock (Sugimachi, N. (609) 93)

Cysteamine; Somatostatin; Muscarinic receptor; Working memory; Reference memory; Immunohistochemistry; Rat (Ohno, M. (610) 348)

Opioid; Morphine; Traumatic brain injury; Fluid percussion (Lyeth, B.G. (617) 69)

Radial maze; Pharmacological interaction; Propranolol; Atenolol; Rat (Ohta, H. (622) 353)

Scratching
Adrenocorticotropic hormone; α-Melanocyte-stimulating hormone; Grooming; Hypothalamus; Intrahypothalamic injection; Paraventricular nucleus; Rat (Van Erp, A.M.M. (603) 296)

Seafood
Excitotoxin; Kainic acid; Immunohistochemistry; Fink–Heimer (silver) degeneration; c-fos; GFAP; Emesis (Scallet, A.C. (627) 307)

Seasonal cycle
Reproduction; Torpor; Body mass; Testosterone (Ruby, N.F. (608) 1)

Seasonal variation
Immunocytochemistry; Testosterone; Hypothermic period (Hermes, M.L.H.J. (631) 313)

Secobarbital
Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Thiamylal; Pentobarbital (Cai, Z. (611) 181)

Secondary somatosensory cortex
Ventral posterolateral thalamic nucleus; Current source density analysis; Field potential; Long-lasting potentiation (Kawakami, Y. (605) 147)

Second messenger
Photoreceptor; Transduction; Crayfish; Calcium; Inositol trisphosphate; GTP; Caudal photoreceptor (Kruszewska, B. (618) 32)

Inositol; Cerebrospinal fluid; Blood–brain barrier (Levine, J. (627) 168)

Second messenger system
Reeler mutant mouse; Guanine nucleotide-binding protein; Neurological mutant mouse (Terashima, T. (601) 136)

Secretin
Neuropeptide; Non-cholinergic; Transsynaptic; Tyrosine hydroxylase; Superior cervical ganglion; Vasoactive intestinal peptide (McKeon, T.W. (607) 345)

Secretion
Median eminence; Periventricular nucleus; In vitro incubation; Gene expression; SRIF; GRF (Aguila, M.C. (625) 213)

Seizure
Carbamazepine; Cocaine; Pharmacogenetics; Pharmacokinetic; Inbred mouse strain; Anticonvulsant; Cytochrome P-450 (Marley, R.J. (600) 193)

Hippocampus; Epileptiform; GABA; Glutamate; Inhibition (Morrisett, R.A. (600) 235)

Ethanol; *N*-Methyl-D-aspartate receptor; Adenosine; Hippocampus (Cohen, S.M. (601) 80)

Epilepsy; CA1; Facilitation; Pyramidal cell (Bekenstein, J. (601) 111)

Anticonvulsant; Antibody; Hippocampus; Kindling; Osmotic minipump; Rat; Somatostatin (Monno, A. (602) 148)

Fos mRNA; c-*Fos*; Protein; Cholinesterase inhibitor; Gene expression; Rat brain (Chollat-Namy, A. (603) 32)

Near-infrared spectrophotometry; Pentylentetrazol; Cytochrome oxidase; Cerebral oxygenation (Hoshi, Y. (603) 215)

Zinc; Neurotoxicity; Kainic acid; Hippocampus; Rat; Morphometry (Nave, J.M. (604) 298)

Electroconvulsive shock-induced seizure; Quantitative cytochrome oxidase histochemistry; Metabolic mapping (Nobrega, J.N. (605) 1)

Heat shock protein 72 kDa; Immunocytochemistry; Neurotoxicity (Goodman, J.H. (616) 263)

Adenosine; Binding enhancer; Magnesium; Hippocampal slice; Anticonvulsant (Janusz, C.A. (619) 131)

Quisqualic acid; Epilepsy; Glutamate; Excitatory amino acid; Development; Spectral analysis (Holmes, G.L. (623) 325)

Diethyldithiocarbamate; Zinc; Epileptiform activity; Bursting; Hippocampal slice (Xu, H. (624) 162)

Hippocampus; Excitatory amino acid; Cell death; Glutamate receptor; Learning disorder; CGP 39551 (Lahtinen, H. (625) 93)

Status epilepticus; Cardiac output; Regional blood flow; Sudden death; Rat (Kreisman, N.R. (626) 295)

Fibroblast growth factor; Epilepsy; Cell death; Kainic acid; Excitotoxicity; Chronic infusion (Liu, Z. (626) 335)

GABA; Soman (Lallement, G. (629) 239)

Kainic acid; Kainate; Temperature; Brain damage (Liu, Z. (631) 51)

Glia; Astrocyte; GFAP; Hippocampus; Epilepsy (Torre, E.R. (631) 256)

Hyperbaric oxygen; Temperature; Kindling; Hypothermia (Fenton, L.H. (632) 143)

Seizure-related brain damage
Kainic acid; Free fatty acid; Diacylglycerol; Brain region; Epilepsy (Birkle, D.L. (613) 115)

Seizure threshold
Kindling; Hippocampus; Neuroplasticity; Long-term potentiation; Scopolamine (Minabe, Y. (600) 322)

Selected mouse line
Behavior genetics; Pharmacogenetics; Convulsion; *N*-Methyl-D-aspartic acid; Ethanol; Ethanol withdrawal (Kosobud, A.E. (610) 176)

Selective breeding
Ethanol; Non-opioid; MK-801; Dizocilpine; *N*-Methyl-D-aspartate; Stress-induced analgesia; Genetics (Mogil, J.S. (602) 126)

Stress-induced analgesia; Levorphanol; Genetics; Opioid; Opiate (Marek, P. (608) 353)

Anesthetic; Volatile; Halothane; Chloride channel; Chloride influx; γ-Aminobutyric acid; Genetic factor; Mouse; Diazepam sensitive; Diazepam resistant; Anesthetic action (Quinlan, J.J. (610) 224)

Selective vulnerability
Hippocampus; CA2 region; Gerbil; Cerebral ischemia (Akai, F. (603) 87)

Cerebral ischemia; Hippocampus; Heat shock protein; Stress response; Mongolian gerbil (Kato, H. (615) 240)

Self-administration
Cocaine; Reinforcement; Development; Stress; Emotional stress; Physical stress; Footshock; Rat (Ramsey, N.F. (608) 216)

Dopamine autoreceptor antagonist; (+)-AJ 76; Cocaine; Amphetamine; Conditioned place preference; Rat (Richardson, N.R. (619) 15)

Corticosterone; Addiction; Hypothalamo-pituitary-adrenal axis (Deroche, V. (622) 315)

Cocaine; SCH 23390; Nucleus accumbens; Amygdala; Fixed ratio; Progressive ratio (McGregor, A. (624) 245)

Nucleus accumbens; Cocaine; Chronic recording; Dopamine (Carelli, R.M. (626) 14)

Self-assembled monolayer
Cultured hippocampal neuron; Surface chemistry; Surface analysis; X-ray photoelectron spectroscopy; Neuron survival; Neuron growth (Stenger, D.A. (630) 136)

Self-stimulation
Lateral hypothalamus; Opioid; Reward; Feeding (Carr, K.D. (607) 141)

Self-stimulation reward
Hippocampus; Motor cortex; Pyramidal neuron; Dendritic branching; Neuronal plasticity (Rao, B.S.S. (627) 216)

Semicircular canal
Vestibular system; Otolith organ; Rostral ventrolateral medulla; Sympathetic nervous system; Spinal cord; Cardiovascular regulation (Yates, B.J. (601) 255)

Vestibular dysfunction; Electrophysiological recording; Calcium ionophore A23187; Calcium reduction (Aubert, A. (607) 301)

Type I hair cell; Vestibular system; γ-Aminobutyric acid$_B$; Ionic current; Cytosolic calcium; Guinea-pig (Lapeyre, P.N.M. (609) 269)

Senile dementia of Alzheimer's type
Neuronal cell survival; Rat cortical neuronal cell culture; Human brain extract; Cerebrospinal fluid; Growth inhibitory factor (Pauwels, P.J. (610) 8)

Senile plaque
Alzheimer's disease; Microglia; C3 protein; β/A4 amyloid protein; Synthetic peptide (Haga, S. (601) 88)

Alz-50; Amyloid β-protein; Immunocytochemistry; Neuropeptide; Paired-helical filament; Pathogenesis (Benzing, W.C. (619) 55)

Alzheimer's disease; Nucleus basalis; Gene expression (Forloni, G. (620) 292)

Alzheimer's disease; β-Amyloid; Aggregation; Ramified microglia (Korotzer, A.R. (624) 121)

Senktide
Substance P; Neurokinin A; Phosphoinositol hydrolysis; Hypothalamus; Tachykinin receptor antagonist (Lebrun, C.J. (632) 74)

Sensitivity
Ethanol; Dependence; Hippocampus; Neuron; *N*-Methyl-D-aspartate (Davidson, M.D. (606) 5)

Sensitization
Mouse; Apomorphine; Stress; Arousal; 3-Methoxytyramine; 3,4-Dihydroxyphenylacetic acid; Homovanillic acid (Cabib, S. (604) 232)

Repeated amphetamine; Microdialysis; Dopamine; Ventral tegmental area; Nucleus accumbens; Locomotion (Vezina, P. (605) 332)

Corticotropin-releasing factor; Amphetamine; Pituitary adrenocortical system; Rat (Cador, M. (606) 181)

α_2-Adrenoceptor; 3,4-Dihydroxyphenylacetic acid; Hippocampus; Microdialysis; Norepinephrine; Stress (Nisenbaum, L.K. (608) 280)

Food restriction; Addiction; Corticosterone; Amphetamine; Morphine; Locomotor activity (Deroche, V. (611) 352)

Synaptic facilitation; Spike broadening; Synaptic plasticity; Cyclic AMP; Dishabituation; Neuromodulation (Jarrard, H.E. (616) 188)

Tolerance; Ventral tegmental area; Morphine; Opiate; Brain stimulation reward; Circling; Locomotion (Bauco, P. (617) 303)

Amphetamine; Corticosterone; Locomotor activity; Stress (Pauly, J.R. (620) 195)

Glucocorticoid; Dexamethasone; Cocaine; Kindling (Kling, M.A. (629) 163)

Polymodal receptor; Visceral nociceptor; Prostaglandin E_2; Bradykinin; EP receptor subtype; cAMP; Nerve discharge (Kumazawa, T. (632) 321)

Sensorimotor
Somatosensory; Parietal ablation; Temperature; Discrimination; Trigeminal; Neospinothalamic (Porter, L.H. (621) 319)

Sensorimotor cortex
Subthalamic nucleus; Unit and intracellular recording; Experimental brain lesion (Fujimoto, K. (609) 185)

Prelimbic cortex; Striatum; Substantia nigra; Corticostriatal transmission; Convergence; Dopamine (Florio, T. (619) 180)

Sensorimotor dysfunction
Lateral hypothalamus; Substantia nigra; Ventral tegmental area; Gastric erosion; Dopamine; Apomorphine; Domperidone; Kainic acid; Lesion; Aphagia; Salivation; Lacrimation; Diarrhea; Atropine methylnitrate (Roland, B.L. (605) 110)

Sensory deprivation
Dopamine neuron; Odor deprivation; GABA; Olfactory marker protein (Baker, H. (614) 109)

Sensory ganglia
Somatomedin; Axon; Nerve growth factor; Neurite; Insulin-like growth factor II (Fernyhough, P. (607) 117)

Sensory hair cell
Calcium-binding protein; S-100; Parvalbumin; Calbindin-D28K; Calmodulin; Inner ear (Kerschbaum, H.H. (617) 43)

Sensory neocortex
Guinea pig; Epilepsy; Spread; Optical recording method; Voltage-sensitive dye (Albowitz, B. (631) 329)

Sensory nerve ending
Stretch receptor; Slowly adapting mechanoreceptor; Static response; Masticatory muscle; Rat (Yamamoto, T. (607) 261)

Sensory neuron
Nerve growth factor receptor; Calcitonin gene-related peptide; Immunohistochemistry; Dorsal root ganglion (Zhou, X.-F. (612) 322)

Kidney; Neurotrophin; Neurotrophin-3; Immunohistochemistry; Liver; Rat (Zhou, X.-F. (621) 189)

Neural net; Back propagation; Spinal ganglion; Cat; Spike analysis; Identified cell (Rose, R.D. (630) 345)

Sensory receptor
Excitability; Threshold; Cockroach; Tactile spine; Mechanotransduction (Torkkeli, P.H. (632) 317)

Sensory response
p-Chlorophenylalanine; Noradrenaline; 5-Hydroxytryptophan; Serotonin; Excitatory amino acid (Shiekhattar, R. (623) 72)

Sensory system
Brain slice; Electrophysiology; Morphology; Neurokinin; Taste; Whole-cell recording (King, M.S. (619) 120)

Regeneration; Lipophilic tracer DiI; DiI; Tract tracing; Teleost; Topography; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

Sensory transmission
Excitatory amino acid; Glutamate metabotropic receptor; Reticulospinal neuron; Vestibular input; Lamprey (Alford, S. (605) 175)

Sensory trigeminal nucleus
Nucleus raphe magnus; Pain; Nociception; Serotonin; Spinal cord; Rat (Li, Y.-Q. (602) 331)

Sensory unit
Somesthesis; Man; Unmyelinated afferent (Vallbo, Å. (628) 301)

Septal area
Kindling antagonism; Limbic system; Amygdala (Kirkby, R.D. (616) 17)

Septal infusion
Theta (θ) rhythm; Hippocampus; Septum; Carbachol; Atropine; Cholinergic (Monmaur, P. (631) 317)

Septal nucleus
Zinc-containing neuron; Zinc; Retrograde tracing; Hippocampus; Subiculum (Mandava, P. (608) 115)

Septal organ
Calbindin-D28k; Calretinin; Parvalbumin; Olfactory epithelium; Vomeronasal organ; Immunohistochemistry (Kishimoto, J. (610) 325)

Septum
Marsupial; Steroid receptor; Medial preoptic area; *Monodelphis*; Limbic system; Reproduction (Pearson, P.L. (617) 171)

Theta (θ) rhythm; Hippocampus; Carbachol; Atropine; Cholinergic; Septal infusion (Monmaur, P. (631) 317)

Serine protease
Astrocyte; Alzheimer's disease; α_1-Antichymotrypsin; Cathepsin G; Glial fibrillary acidic protein; Gliosis; Protease inhibitor (Abraham, C.R. (621) 222)

Serotonergic axon
Neurotoxicity; Brainstem nucleus; Methylenedioxyamphetamine; Immunocytochemistry; Rat (Harvey, J.A. (619) 1)

Serotonergic cell body and terminal
Tryptophan hydroxylase; Aromatic L-amino acid decarboxylase; In situ hybridization; Enzyme activity; 5,7-Dihydroxytryptamine (Park, D.H. (609) 59)

Serotonin
Norepinephrine; Dopamine; Inhibitory post-synaptic potential IPSP (Gellman, R.L. (600) 63)

Quipazine; rCMRglc (Freo, U. (600) 249)

Recovery; Frontal cortex; Dopamine; Noradrenaline; Rat (De Brabander, J.M. (601) 20)

Lordosis; Proceptivity; Resistive behavior (Uphouse, L. (601) 203)

Melatonin; Tryptophan hydroxylase; Retina; Kainic acid; Amacrine cell; Bipolar cell (Thomas, K.B. (601) 303)

5,7-Dihydroxytryptamine; Receptor; Hypothalamus; Autoradiography (Frankfurt, M. (601) 349)

c-*fos*; Triazolam; Raphe nucleus; Suprachiasmatic nucleus; Superior colliculus; Edinger-Westphal nucleus; Dorsal tegmental nucleus (Cutrera, R.A. (602) 14)

Nucleus raphe magnus; Pain; Nociception; Sensory trigeminal nucleus; Spinal cord; Rat (Li, Y.-Q. (602) 331)

Basal forebrain; Thalamus; Pedunculopontine tegmental nucleus; Dorsal raphe nucleus; Acetylcholine; Immunohistochemistry; Retrograde labeling (Losier, B.J. (604) 41)

Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Noradrenaline; Sympathetic sprouting; Transplant; Uptake (Cassel, J.C. (604) 53)

Steroid; Glucocorticoid receptor; Mineralocorticoid receptor; Primary culture; Cortex; Hippocampus; Rat; Brain (Vedder, H. (605) 18)

Dorsal raphe nucleus; Suprachiasmatic nucleus; Co-graft; Immunocytochemistry; Vasopressin; Vasoactive intestinal polypeptide (Ueda, S. (605) 181)

Periaqueductal grey matter; Nucleus raphe obscurus; Rat; Aversion (Lovick, T.A. (606) 92)

Immunocytochemistry; Striatum; Weaver mutant mouse (Stotz, E.H. (606) 267)

Long-term potentiation; Hippocampus; Neuromodulation; Synaptic transmission; Plasticity (Villani, F. (606) 304)

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Acetylcholine; Nucleus accumbens; Microdialysis; Fluoxetine; 8-OH-DPAT (Rada, P.V. (619) 98)

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5-Iodo-6-nitroquipazine; Serotonin uptake complex; In vivo imaging; Brain; Autoradiography (Biegon, A. (619) 236)

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Serotonin denervation
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Serotonin 5-HT_{1A} agonist
Cerebral ischemia; Serotonin; Serotonin 5-HT_2 antagonist; Neuroprotection; Cultured neuron; Chemical hypoxia; Glutamate (Prehn, J.H.M. (630) 10)

Serotonin 5-HT_2 antagonist
Cerebral ischemia; Serotonin; Serotonin 5-HT_{1A} agonist; Neuroprotection; Cultured neuron; Chemical hypoxia; Glutamate (Prehn, J.H.M. (630) 10)

Serotonin 5-HT_1 receptor
Serotonin 5-HT_2 receptor; Serotonin denervation; Serotonin hyperinnervation; Neostriatum; Ligand-binding autoradiography; Up-regulation (Radja, F. (606) 273)

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Human aging; Frontal cortex; Serotonin 5-HT_{1D} receptor; Serotonin 5-HT_2 receptor; Serotonin uptake site (Arranz, B. (620) 163)

5-Hydroxytryptophan; Serotonin (5-HT); 5-hydroxyindole acetic acid (5-HIAA); Central nucleus; Dorsal raphe nucleus; Corticotropin-releasing factor; CRH; Metabolism; Gepirone; Noise (Boadle-Biber, M.C. (628) 105)

8-Hydroxy-DPAT; Buspirone; Cardiac vagal motoneuron; Upper airway; Smoke; Anesthetized rabbit (Futuro-Neto, H.A. (629) 349)

Serotonin 5-HT_{1B} receptor
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5,7-Dihydroxytryptamine; Upregulation; Quantitative autoradiography; Hypothalamus (Manrique, C. (623) 345)

Serotonin 5-HT_{1c} receptor
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Serotonin 5-HT_{1C} receptor
Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_2 receptor; Oxytocin; Vasopressin; Male rat; Buspirone; DOI; Ipsapirone; 8-OH-DPAT; Ritanserin; NAN-190 (Bagdy, G. (611) 330)

Serotonin 5-HT_{1D} receptor
Human aging; Frontal cortex; Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_2 receptor; Serotonin uptake site (Arranz, B. (620) 163)

Serotonin 5-HT_2 receptor
Serotonin 5-HT_1 receptor; Serotonin denervation; Serotonin hyperinnervation; Neostriatum; Ligand-binding autoradiography; Up-regulation (Radja, F. (606) 273)

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Serotonin uptake site; Paroxetine binding; Ketanserin binding; Human brain; Suicide victims/depressives; Prefrontal cortex; Amygdala; Hypothalamus (Hrdina, P.D. (614) 37)

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Human aging; Frontal cortex; Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1D} receptor; Serotonin uptake site (Arranz, B. (620) 163)

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Serotonin hyperinnervation
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Serotonin metabolism
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Serotonin receptor
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5,7-Dihydroxytryptamine; 6-Hydroxydopamine; DSP-4; Ibotenic acid; Kainic acid; Capsaicin; Rhizotomy (Kidd, E.J. (612) 289)

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Serotonin reuptake site
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Serotonin transporter
Antidepressant drug; Imipramine; Tianeptine; Stress; Hippocampus; Serotonin receptor (Watanabe, Y. (615) 87)

Serotonin uptake
Serotonin 5-HT_{1A} receptor; Excitotoxin; Cortex; Hippocampus; Neuronal lesion (Lawrence, J.A. (612) 326)

Serotonin uptake complex
5-Iodo-6-nitroquipazine; Serotonin; In vitro binding; Brain (Mathis, C.A. (619) 229)

5-Iodo-6-nitroquipazine; Serotonin; In vivo imaging; Brain; Autoradiography (Biegon, A. (619) 236)

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Serotonin 5-HT_2 receptor; Paroxetine binding; Ketanserin binding; Human brain; Suicide victims/depressives; Prefrontal cortex; Amygdala; Hypothalamus (Hrdina, P.D. (614) 37)

8-OH-DPAT; Paroxetine; Bovine brain; Dorsal raphe nucleus; Hippocampus; Receptor binding; Serotonin 5-HT_{1A} receptor (Sprouse, J.S. (617) 159)

Human aging; Frontal cortex; Serotonin 5-HT_{1A} receptor; Serotonin 5-HT_{1D} receptor; Serotonin 5-HT_2 receptor (Arranz, B. (620) 163)

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Sex difference
Estradiol benzoate; [^{3}H]Paroxetine; Serotonin reuptake site; Hippocampus; Cerebral cortex (Mendelson, S.D. (601) 299)

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Flunitrazepam binding; Male rat behavior (Saldivar-Gonzalez, A. (611) 326)

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Androgen receptor; c-*fos*; Amygdala; Immunocytochemistry; Limbic system (Wood, R.I. (614) 65)

Dopamine; Nucleus accumbens; Microdialysis (Wenkstern, D. (618) 41)

Medial preoptic area; Fetal brain transplant; Retrograde tracer; Fluorogold; Lisuride (Paredes, R.G. (620) 351)

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Sexual differentiation
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Sheep
Calcitonin gene-related peptide; Immunocytochemistry; Paraventricular nucleus; Pituitary gland; Supraoptic nucleus (Herbison, A.E. (611) 147)

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Shuttlebox escape learning
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Sigma activity
Sleep spindle; Slow wave activity; Sleep homeostasis; Spectral analysis; Thalamocortical neuron (Dijk, D.-J. (626) 190)

Sigma receptor
Psychomotor stimulant; Phencyclidine; Deoxyglucose; Cerebral glucose metabolism (Della Puppa, A. (603) 38)

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Single neuron analysis
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Single-unit
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Somatosensory; Rhythmic discharge; Spindle; Slow wave sleep; REM sleep (Marks, G.A. (623) 241)

Single unit activity
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Single-unit extracellular recording
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Apomorphine; Dopamine D_1 receptor; Dopamine D_2 receptor; Electrophysiology; Ethanol; Microiontophoresis; Quinpirole (Shen, R.-Y. (624) 216)

Single-unit recording
Bombesin; Gastrin-releasing peptide; Suprachiasmatic nucleus; Brain slice (Tang, K.-C. (614) 125)

Amphetamine; Freely moving rat; Haloperidol; Intrastriatal infusion; Striatum (Wang, Z. (627) 79)

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Defence reaction; Freezing; Flight; Baroreflex sensitivity; Mesencephalic tectum; Periaqueductal gray matter (Schenberg, L.C. (621) 50)

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Motor unit; Recruitment; Flexor carpi ulnaris (Jones, K.E. (602) 354)

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Acetylcholine release; Hippocampus; Dopamine D_1 receptor; Dopamine D_2 receptor; LY 171555; Apomorphine; SCH 23390; Microdialysis (Imperato, A. (618) 341)

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Skin
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Skin contactor
Perioral reflex; Orbicularis oris; Active force; Mechanical stimulation; Electromyography; Infant; Child; Adult (Barlow, S.M. (623) 181)

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Alzheimer's disease; Amyloid; Glycosaminoglycan; Heparan sulfate; Proteoglycan (Buée, L. (601) 154)

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Aging; Circadian; Clock; Rhythm; Entrainment; Activity; Benzodiazepine; Arousal (Van Reeth, O. (607) 286)

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Sleep function
Sleep deprivation; Rapid eye movement sleep deprivation; Adrenoceptor; Receptor regulation (Tsai, L.-L. (602) 221)

Sleep homeostasis
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Sleep restriction
Non-REM sleep; Brain temperature; Sleep deprivation; Thermoregulation; Anterior/preoptic hypothalamus (Morairty, S.R. (617) 10)

Sleep spindle
Slow wave activity; Sleep homeostasis; Spectral analysis; Thalamo-cortical neuron; Sigma activity (Dijk, D.-J. (626) 190)

Thalamus; Cortex; Spike–wave discharge; Generalized absence epilepsy; *N*-Methyl-D-aspartate (Coulter, D.A. (631) 137)

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REM sleep; Muscarinic M_1 receptor; Biperiden; Trihexyphenidyl; Scopolamine; Cholinergic sleep (Zoltoski, R.K. (608) 186)

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γ-Aminobutyric acid; Norepinephrine; Human neocortex; Release; Synaptosome (Ferraro, L. (629) 103)

Long-term depression; Cerebellum; Purkinje cell; Nictitating membrane response; Rabbit (Schreurs, B.G. (631) 235)

Current source density analysis; Electrophysiology; Posterior cingulate cortex; Rat; Subiculum (Hedberg, T.G. (632) 239)

Slice culture
Neuroanatomical tracing; Hippocampus; Neocortex (Sørensen, J.C. (608) 338)

Slow adaptation
Cat muscle spindle; Primary afferent; Intrafusal muscle fiber; Interspike interval function (Awiszus, F. (612) 110)

Slow EPSP
Red nucleus; Turtle; In vitro; Excitatory amino acid (Keifer, J. (608) 349)

Slow inhibitory postsynaptic potential
Fast inhibitory postsynaptic potential; GABA; Hippocampus; Presynaptic inhibition; Activity-dependent; Chloride accumulation (Benardo, L.S. (607) 81)

Fast inhibitory postsynaptic potential; GABA; Magnesium; Glutamate; NMDA; Cerebral cortex (Benardo, L.S. (627) 314)

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Aplysia; Culture; Synapse; FMRFamide (Yanaura, M. (629) 88)

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Stretch receptor; Sensory nerve ending; Static response; Masticatory muscle; Rat (Yamamoto, T. (607) 261)

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Kindling; Pentylenetetrazol; Spreading depression; Epilepsy; Rat (Koroleva, V.I. (608) 107)

Slow wave activity
Sleep spindle; Sleep homeostasis; Spectral analysis; Thalamo-cortical neuron; Sigma activity (Dijk, D.-J. (626) 190)

Slow wave sleep
Somatosensory; Single unit; Rhythmic discharge; Spindle; REM sleep (Marks, G.A. (623) 241)

Small unmyelinated fiber
Peptide transmitter; Vasopressin (Albeck, D. (606) 171)

SMI-32
Chromogranin A; Calbindin-D_{28k}; Parvalbumin; Neuropeptide; Neocortex; Immunohistochemistry (Adams, L.A. (602) 336)

Smoke
Serotonin 5-HT_{1A} receptor; 8-Hydroxy-DPAT; Buspirone; Cardiac vagal motoneuron; Upper airway; Anesthetized rabbit (Futuro-Neto, H.A. (629) 349)

Smooth muscle
Amyloid β; β Protein precursor; Congophilic angiopathy; Vasculature (Kawai, M. (623) 142)

Smooth muscle hyperplasia
Nerve growth factor; Immunoassay; Wistar–Kyoto rat; Spontaneously hypertensive rat (Zettler, C. (614) 15)

Snail
Octopamine; Interneuron; Immunocytochemistry; Central nervous system; *Lymnaea stagnalis* (Elekes, K. (608) 191)

Tactile stimulus; Eversion; Pneumostome opening; Efferent neuron (Kemenes, G. (612) 16)

Social behavior
Phencyclidine; Nucleus accumbens; Locomotion; Stereotypy; Ataxia; Dopamine (Steinpreis, R.E. (612) 263)

Social interaction test
6-Hydroxydopamine; Paraventricular nucleus; Catecholamine; Stress corticosterone; Allotetrahydrodeoxycorticosterone (Kellogg, C.K. (609) 244)

Social recognition
Vomeronasal organ; Vasopressin; Bed nucleus of stria terminalis; Testosterone; Rat (Bluthé, R.M. (604) 205)

Socio–sexual behavior
Medial preoptic area; Bilateral lesion; Pursuit; Motivation (Paredes, R.G. (618) 271)

Sodium
Phosphoinositide; Kindling; Cocaine; Lidocaine; Anesthetic; Batrachotoxin; Ibotenate (Margolis, R.L. (614) 185)

Sodium bicarbonate
Operant behavior; Drinking behavior; Sodium chloride; Specific hunger; Dispogenic response; Acute hypertonicity (Weisinger, R.S. (628) 166)

Sodium channel
Anticonvulsant; U-54494A; U-83892E; U-83894A; Neuroblastoma cell; Patch clamp (Zhu, Y. (606) 50)

Low voltage activated calcium channel; High voltage activated calcium channel; Potassium channel; Calcium dependent potassium channel; Primary sensory neuron; Spinal cord; Lamprey (Christenson, J. (608) 58)

Lamotrigine; Anticonvulsant; $GABA_A$; Calcium channel; L-Glutamate; Benzodiazepine; Patch clamp (Lees, G. (612) 190)

Demyelination; Axon; Action potential; Activity dependence (Shrager, P. (619) 278)

Pyrethroid; Allethrin; Tetrodotoxin; Dorsal root ganglion; Insecticide (Ginsburg, K.S. (627) 239)

Sodium chloride
Sodium bicarbonate; Operant behavior; Drinking behavior; Specific hunger; Dispogenic response; Acute hypertonicity (Weisinger, R.S. (628) 166)

Sodium ion
Axon; Nerve conduction; Nerve fiber; Safety factor; Conduction block (Fern, R. (616) 48)

ATP; Glutamate; Membrane potential; Hypoglossal neuron (Haddad, G.G. (625) 261)

Sodium–potassium
Adenosine triphosphatase; Axonal transport; Axon; Neuron; Schwann cell; Western blot (Mata, M. (618) 295)

Sodium pump
Spinal cord; Frog; α-Adrenoceptor; Excitatory amino acid (Shope, S.B. (630) 207)

Na^+,K^+-ATPase; Immunoblotting; Immunohistochemistry; Ouabain; Telencephalic culture (Brines, M.L. (631) 1)

Na^+,K^+-ATPase; Glia; Regulation; Glutamate; Excitotoxicity; Telencephalic culture (Brines, M.L. (631) 12)

Solubilization
Glutamate receptor; Inhibition; Temperature (Hall, R.A. (628) 345)

Soluble guanylyl cyclase
Nitric oxide synthase; cGMP; Calmodulin; Locust; *Schistocerca gregaria* (Elphick, M.R. (619) 344)

Soman
Hippocampus; Glutamate; Excitotoxic lesion; Peripheral benzodiazepine site ω_3 density (Lallement, G. (618) 227)

GABA; Seizure (Lallement, G. (629) 239)

Somatic sensation
mGluR1; Monoclonal antibody; Immunoblotting; Immunohistochemistry; Trigeminal ganglion (Araki, T. (627) 341)

Somatic sensory stimulation
Analgesia; Immobility; Animal hypnosis; Repeated noxious stimulation; Pinch (Fleischmann, A. (601) 28)

Somatomedin
Axon; Nerve growth factor; Neurite; Insulin-like growth factor II; Sensory ganglia (Fernyhough, P. (607) 117)

Somatomotor cortex
Magnetoencephalography; μ Rhythm; Suppression; Tremor; Parkinson's disease; Evoked response; Human (Mäkelä, J.P. (617) 189)

Somatosensory
Cerebellum; Climbing fiber; Renal nerve; Visceral afferent; Autonomic system (Tong, G. (601) 65)

Dorsal column nucleus; Primary afferent; Topographical organization (Crockett, D.P. (603) 324)

Dorsal column nucleus; Plasticity; Primary afferent; Topographical organization; Metabolism (Crockett, D.P. (612) 41)

Rhesus monkey; Granular insula; Single unit; Bilateral receptive field (Schneider, R.J. (621) 116)

Sensorimotor; Parietal ablation; Temperature; Discrimination; Trigeminal; Neospinothalamic (Porter, L.H. (621) 319)

Single unit; Rhythmic discharge; Spindle; Slow wave sleep; REM sleep (Marks, G.A. (623) 241)

Gustatory; Taste; Tactile; Rat; Multi-unit neural activity; Nucleus of the solitary tract (Halsell, C.B. (632) 161)

Somatosensory cortex
Fifth somatosensory cortex; Intracortical microstimulation; Cat; Anterior suprasylvian sulcus (Mori, A. (602) 143)

Acetylcholine; Microdialysis; Circadian rhythm; Arousal (Jiménez-Capdeville, M.E. (625) 152)

Somatosensory lingual input
Nucleus ventralis posteromedialis parvocellularis; Tongue; Cortical projection; Coronal gyrus; Jaw movement (Nishikawa, Y. (605) 265)

Somatosensory pathway
Cerebral cortex; CO_2-laser; Evoked potential; Nociception; Pain (Kalliomäki, J. (622) 262)

Cerebral cortex; CO_2-laser; Evoked potential; Nociception; Pain (Kalliomäki, J. (622) 271)

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Lateral septum; Calbindin D28k; Met-enkephalin (Doutrelant, O. (615) 335)

Somatostatin
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Circadian rhythm; Suprachiasmatic nucleus; Enzyme immunoassay; Peptide regulation; Light–dark cycle; Free-running rhythm; Rat (Fukuhara, C. (606) 28)

Somatostatin receptor radioautography; Nucleus basalis; Ibotenic acid; Plasticity (Moyse, E. (607) 154)

Ciliary neuronotrophic factor; Ciliary ganglion; Differentiation factor; Chick; Cultured neuron; Choroid neuron (Smet, P.J. (609) 351)

Cysteamine; Scopolamine; Muscarinic receptor; Working memory; Reference memory; Immunohistochemistry; Rat (Ohno, M. (610) 348)

Isoproterenol; Propranolol; Frontoparietal cortex; Rat (López-Sañudo, S. (614) 171)

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Rat; Environment; Cortex; mRNA; Northern blot; Behavior (Nilsson, L. (628) 93)

Immunocytochemistry; Autoradiography; Neuropeptide; Classical neurotransmitter; Coexistence; Neurotensin; GABA (Watt, C.B. (628) 349)

Paraventricular nucleus of the hypothalamus; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Substance P receptor; Choline acetyltransferase; Parvalbumin; Substance P; Neostriatum; Rat (Kaneko, T. (631) 297)

Somatostatin receptor binding
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Somatostatin receptor radioautography
Somatostatin; Nucleus basalis; Ibotenic acid; Plasticity (Moyse, E. (607) 154)

Somatosympathetic reflex
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Somatotopy
c-Fos; Dorsal horn; Peripheral nerve injury; Tibial nerve; Peroneal nerve (Sugimoto, T. (621) 161)

Somatotroph
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Somesthesis
Man; Sensory unit; Unmyelinated afferent (Vallbo, Å. (628) 301)

Songbird
Respiration; Vocalization; Tract tracing (Wild, J.M. (606) 319)

Song system
Zebra finch; Neurogenesis (Sohrabji, F. (620) 335)

Sound localization
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Inferior colliculus; Superior colliculus; Avian auditory system; Hearing impairment; Plasticity; Learning (Mogdans, J. (619) 29)

Spatial learning
Aging; Choline acetyltransferase; High-affinity choline uptake; Hippocampus; Cortex; Striatum (Dunbar, G.L. (604) 266)

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Hippocampus; Steroid hormone (Roof, R.L. (610) 148)

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Hypercorticosteronemia; Lactation; Development; Hypothalamus-pituitary-adrenal axis (Catalani, A. (624) 208)

Hippocampal transplant; Choline uptake; ChAT activity; Muscarinic receptor binding (Tarricone, B.J. (632) 41)

Spatial organization
Barrel cortex; Vasoactive intestinal polypeptide; Immunohistochemistry; Module (Zilles, K. (618) 149)

Specific hunger
Sodium bicarbonate; Operant behavior; Drinking behavior; Sodium chloride; Dispogenic response; Acute hypertonicity (Weisinger, R.S. (628) 166)

Spectral analysis
PGO-on neuron; $1/f$ fluctuation; Paradoxical sleep; Cat (Sei, H. (612) 351)

Quisqualic acid; Seizure; Epilepsy; Glutamate; Excitatory amino acid; Development (Holmes, G.L. (623) 325)

Sleep spindle; Slow wave activity; Sleep homeostasis; Thalamo-cortical neuron; Sigma activity (Dijk, D.-J. (626) 190)

Spectral sensitivity
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Spectrophotometry
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Spermidine
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Spermine
Putrescine; Spermidine; Neuronal survival; Cell culture; Hippocampus; Cerebellum (Abe, K. (605) 322)

Sphenopalatine ganglia
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Spider nervous system
Octopamine; Neuroanatomy; Immunocytochemistry; High-pressure liquid chromatography; Hemolymph; *Cupiennius salei* (Seyfarth, E.-A. (611) 197)

Spike analysis
Neural net; Back propagation; Spinal ganglion; Sensory neuron; Cat; Identified cell (Rose, R.D. (630) 345)

Spike broadening
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Spike-wave discharge
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Nicotine; High voltage spindle; High-voltage spindle; Mecamylamine; Cotinine; Rat; EEG (Radek, R.J. (625) 23)

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Spinal cord
U-50,488H; Tolerance-dependence; Dynorphin (1–13); Brain region; Pituitary; Heart; Adrenal; Kidney (Bhargava, H.N. (600) 151)

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Vestibular system; Otolith organ; Semicircular canal; Rostral ventrolateral medulla; Sympathetic nervous system; Cardiovascular regulation (Yates, B.J. (601) 255)

Nucleus raphe magnus; Pain; Nociception; Serotonin; Sensory trigeminal nucleus; Rat (Li, Y.-Q. (602) 331)

Neuropeptide Y; Immunocytochemistry; Cat; Ultrastructure; Axo-axonic synapse (Doyle, C.A. (603) 157)

Naltrexone; Morphine level; Brain region; Radioimmunoassay (Bhargava, H.N. (607) 1)

$GABA_B$ receptor; Antinociception; Nucleus raphe magnus; L-Glutamate; CGP 35348; Phaclofen; Methysergide (McGowan, M.K. (607) 39)

Peripheral nerve injury; Pain; Hyperalgesia; NMDA antagonist; Sciatic nerve; Neuropathy (Garrison, C.J. (607) 205)

Low voltage activated calcium channel; High voltage activated calcium channel; Sodium channel; Potassium channel; Calcium dependent potassium channel; Primary sensory neuron; Lamprey (Christenson, J. (608) 58)

Dorsal horn; Lamina X; Nitric oxide; Nociception; c-*fos* (Lee, J.-H. (608) 324)

Motoneuron; Axial muscle; Motor pool; Avian; Myotome (Gutman, C.R. (609) 129)

Calcitonin gene-related peptide; In vivo release; μ ∂ and κ Opioid receptors; Morphine (Collin, E. (609) 211)

Adenosine 5′-triphosphate; Synaptosome; Capsaicin; Rhizotomy; 6-Hydroxydopamine (Sawynok, J. (610) 32)

Ciliary neurotrophic factor; Ciliary neurotrophic factor receptor; mRNA; Sciatic nerve; PCR (Mata, M. (610) 162)

Norepinephrine; Development; Ontogenesis; 6-Hydroxydopamine; Adrenergic receptor; Rat (Simmons, K.E. (611) 222)

6-Hydroxydopamine; Hindlimb flexor reflex; Motor reflex; α_1 Receptor (Simmons, K.E. (611) 231)

Cat; Onuf's nucleus; Plasticity; Growth-associated protein; Neuritogenesis; Sprouting immunohistochemistry; Motoneuron disease (Nacimiento, W. (613) 80)

Adenosine release; Nucleoside carrier; Dipyridamole; Nitrobenzylthioinosine; Morphine (Sweeney, M.I. (614) 301)

Morphine; Tolerance; Analgesia; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin; B_{max}; K_d; Brain (Thorat, S.N. (615) 191)

Microdialysis; Pain; Aspartate; Glutamate; Glycine; Serotonin; Monoamine; Endogenous analgesia system (Sorkin, L.S. (618) 95)

$GABA_A$ receptor; Antinociception; Nucleus raphe magnus; Nucleus gigantocellularis pars alpha; Bicuculline; Isoguvacine; Diazepam (McGowan, M.K. (620) 86)

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Regeneration; Central nervous system; Horseradish peroxidase; Goldfish (Sharma, S.C. (620) 221)

GABA; Neurectomy; Sciatic nerve; Rat; Plasticity (Castro-Lopes, J.M. (620) 287)

Morphine; Noradrenaline; α_2-Adrenoceptor; Antinociception; Pain (Xu, X.-J. (621) 267)

Axon; Conduction; Development; Dorsal column; GABA (Sakatani, K. (622) 43)

Uterus; Hypogastric nerve; Pelvic nerve; Visceral sensation; Reproduction (Wall, P.D. (622) 71)

Dynorphin; Pregnancy; Analgesia (Medina, V.M. (623) 41)

Ganglioside; Monoclonal antibody; Cholinergic; Glycoconjugate; Sialic acid (Kusunoki, S. (623) 83)

Calcium binding proteins; Calretinin; Dorsal root ganglia; Rat; Hybridization, in situ (Heppelmann, B. (624) 312)

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Motoneuron disease; Thyrotropin-releasing hormone; Immunocytochemistry; Computerized morphometry (Shi, J. (626) 83)

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Cholecytokinin; Cerebrospinal fluid; Glucose; Eating; Depression; Alcoholism; Alcohol; Central nervous system (Geracioti Jr., T.D. (629) 260)

Human motor cortex; Brainstem; Non-NMDA receptor; [^{3}H]CNQX binding; Autoradiography (Chinnery, R.M. (630) 75)

Frog; Sodium pump; α-Adrenoceptor; Excitatory amino acid (Shope, S.B. (630) 207)

Opioid; Nociception; Thalamus; Analgesia; Frontal cortex (Coffield, J.A. (630) 252)

Mauthner cell; Regeneration; Reticulospinal neuron; Vestibulospinal neuron; Teleost fish; Goldfish (Bentley, A.P. (630) 333)

Thalamocortical; Ascending projection; Nociceptive; Pain (Stevens, R.T. (631) 241)

Spinal cord injury
Functional recovery; Motor system; Respiration; Ultrastructure; Phrenic nucleus (Goshgarian, H.G. (600) 169)

Action potential; Anoxia; Bicuculline; γ-Aminobutyric acid; Ischemia; Myeli; Neurotransmitter; Receptor (Lee, M. (601) 14)

Regeneration; Command system; Lamprey; Locomotion; In vitro; Brainstem (Davis Jr., G.R. (602) 131)

Culture; Glucocorticoid; Neurite transection; Axotomy; Dendrotomy (Rosenberg-Schaffer, L.J. (605) 327)

Excitatory amino acid; Methylprednisolone; Microdialysis (Liu, D. (609) 293)

Edema; Inflammation; Neutrophil; Rat; Sigma receptor; Vascular permeability (Qu, Z.-X. (626) 45)

Spinal cord trauma
Macrophage; Kynurenine pathway; Indoleamine-2,3 dioxygenase; Guinea pig (Blight, A.R. (632) 314)

Spinal ganglion
Neural net; Back propagation; Sensory neuron; Cat; Spike analysis; Identified cell (Rose, R.D. (630) 345)

Spinally projecting neuron
Paraventricular nucleus; Rostral ventrolateral medulla; Fos; Hemorrhage (Badoer, E. (610) 216)

Spinal origin
Diaphragm; Tonic activity; Radiated activity; Respiratory pattern generator; Fetal lamb (Berger, P.J. (612) 299)

Spinal reflex
Ia fiber; Contralateral inhibition; Human; Pedalling; Locomotion (Collins, D.F. (603) 96)

Spinal serotonin receptor
8-Hydroxy-2-(di-*n*-propylamino)tetralin (8-OH-DPAT); 1-(2,5-Dimethoxy-4-iodophenyl)-2-aminopropane (DOI); Excitatory amino acid receptor agonist (Mjellem, N. (626) 78)

Spinal trigeminal nucleus
Trigeminal nerve; Primary neuron; Subnucleus oralis; Ultrastrucure (Bae, Y.C. (606) 175)

Adrenal catecholamine; Autonomic control; Excitatory amino acid (Bereiter, D.A. (622) 155)

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Spine
Inositol 1,4,5-trisphosphate 3-kinase; Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate; Immunohistochemistry; Ultrastructure (Yamada, M. (606) 335)

Spine synapse
Kindling; Epilepsy; Synapse; Brain slice; Hippocampal subfield CA1 (Chang, F.-L.F. (603) 302)

Epilepsy; Kindling; Ultrastructure; Astrocyte; Synaptic morphology; Hippocampal subfield CA1 (Hawrylak, N. (603) 309)

Spinocerebellum
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Spinothalamic tract
Nucleus ventralis posterolateralis thalami; Deafferentation pain; Thalamus; *N*-Methyl-D-aspartate; MK-801 (Koyama, S. (612) 345)

Spin trap
Ischemia; Ischemia/reperfusion injury; Free radical; Oxypurinol; Electron spin resonance (Phillis, J.W. (628) 309)

Spiperone
Spontaneously hypertensive rat; Wistar–Kyoto rat; Caudate nucleus; Dopamine D_1 receptor; Dopamine D_2 receptor; SCH 23390; *N*-*n*-Propylnorapomorphine (Linthorst, A.C.E. (602) 119)

Spiroperidol
Morphine; Tolerance dependence; Abstinence; Rat; Dopamine D_2 receptor; 2-Bromo-α-ergocryptine; Behavioral activity; Receptor density; Apparent dissociation constant (Reddy, P.L. (607) 293)

Spleen
Cytokine; Hippocampus; Testis (Takao, T. (623) 172)

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Auditory cortex; 40 Hz; Magnetoencephalography; Neuromagnetism; Human (Tesche, C. (629) 19)

Spontaneous discharge rate
Auditory nerve fiber; Intensity increment; Adaptation; Guinea pig (Winter, I.M. (618) 167)

Spontaneously epileptic rat
Local cerebral glucose utilization; Autoradiography; [^{14}C]2-Deoxyglucose; Hippocampus; Amygdala; Interictal state; Hypometabolism (Saji, H. (601) 76)

Spontaneously hypertensive rat
Wistar–Kyoto rat; Caudate nucleus; Dopamine D_1 receptor; Dopamine D_2 receptor; SCH 23390; Spiperone; *N*-*n*-Propylnorapomorphine (Linthorst, A.C.E. (602) 119)

Receptor autoradiography; Cholecystokinin; Striatum (Kirouac, G.J. (604) 338)

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Brown adipose tissue; Paraventricular nucleus; Prostaglandin E_2 (Bhatnagar, S. (613) 285)

Nerve growth factor; Immunoassay; Smooth muscle hyperplasia; Wistar–Kyoto rat (Zettler, C. (614) 15)

Calcium; Intraventricular injection; Wistar-Kyoto rat; Ca^{2+} channel blocker; Sympathetic nervous system (Kusano, S. (618) 63)

Spontaneous pain
Ketamine; Dextrorphan; NMDA receptor; Hyperalgesia; Neuropathic pain; Nerve injury (Mao, J. (605) 164)

Spontaneous withdrawal
Diazepam withdrawal; 2-Deoxyglucose; Cerebral glucose utilization; Flumazenil; Set-point; Precipitated withdrawal; Withdrawal shift (Laurie, D.J. (631) 277)

Sprague–Dawley substrain
Idazoxan; Locus coeruleus; Norepinephrine; Phentolamine; Yohimbine (West, W.L. (626) 127)

Spread
Sensory neocortex; Guinea pig; Epilepsy; Optical recording method; Voltage-sensitive dye (Albowitz, B. (631) 329)

Spreading cortical depression
Regional cerebral blood flow; Nitric oxide; Endothelium-derived relaxing factor; Rat (Duckrow, R.B. (618) 190)

Spreading depression
c-*fos*; Potassium chloride; Nerve growth factor (Herrera, D.G. (602) 99)

Long-term potentiation; LTD (Harrison, C.M. (602) 176)

Calcium; Hippocampus; Hypoxia; Ischemia; Calcium channel; Potassium (Jing, J. (604) 251)

Glutamate; Retina; Excitatory amino acid receptor; 2,3-Dihydroxy-6-nitro-7-sulfamoylbenzo(f)quinoxaline; *N*-Methyl-D-aspartate receptor (Sheardown, M.J. (607) 189)

Kindling; Pentylenetetrazol; Epilepsy; Slow potential; Rat (Koroleva, V.I. (608) 107)

Glutamate receptor; *N*-Methyl-D-aspartate; Hippocampus; CA1; Neuron dendrite; Neuron soma (Herreras, O. (610) 276)

Sustained potential; Direct current potential; Hippocampus, CA1; Microdialysis; Glutamate receptor (Herreras, O. (610) 283)

Cerebral ischemia; Microdialysis; Amino acid; Ischemic penumbra; Migraine; Stroke (Fabricius, M. (612) 61)

Retina; Müller cell; Neuronal–glial interaction (Fernandes de Lima, V.M. (614) 45)

Neuron injury; Potassium; Depolarization; Current source density; Hippocampus CA1; Microdialysis (Herreras, O. (617) 194)

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Cerebral cortex; Catecholamine overflow; Voltammetry; Rat (Pavlásek, J. (628) 145)

Hypoxia; Ischemia; Anoxic depolarization; Membrane current; Voltage clamp; Hippocampal slice (Czéh, G. (632) 195)

Sprout
Synaptophysin (p38); Vesicle; Node of Ranvier; Nerve regeneration; Peripheral nerve (Okajima, S. (631) 133)

Sprouting
Denervation; Hippocampus; Autoradiography; PIA; Adenosine A_1 receptor; Perforant path; Paired-pulse depression (Kahle, J.S. (609) 201)

Epilepsy; Hippocampus; Kainic acid; Plasticity (Sundstrom, L.E. (609) 321)

c-*fos*; Axotomy; Peripheral nerve transection; Neuropathic pain (Chi, S.-I. (617) 225)

Ectopic firing; Nerve injury; Neuroma; Pain (Amir, R. (630) 283)

Sprouting immunohistochemistry
Spinal cord; Cat; Onuf's nucleus; Plasticity; Growth-associated protein; Neuritogenesis; Motoneuron disease (Nacimiento, W. (613) 80)

SRIF
Median eminence; Periventricular nucleus; In vitro incubation; Gene expression; Secretion; GRF (Aguila, M.C. (625) 213)

Stable microtubule
cAMP protein kinase; Phosphoprotein; RII binding protein; Cerebral cortex; Rat (Perez, J. (602) 77)

Staggerer mutant
Tetrahydrocannibinol; Cerebellar granule cell; G protein; Adenylyl cyclase; GTPase; Weaver mutant; Pertussis toxin (Pacheco, M.A. (603) 102)

Standing
H-reflex; Prone; Inhibition (Koceja, D.M. (629) 155)

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Anorexia nervosa; Dynorphin; β-Endorphin; Exercise; Supraoptic hypothalamic nucleus; Arcuate hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

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Striate recipient zone (LPl)
Striate cortex; Area 21a (Wimborne, B.M. (603) 333)

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Globus pallidus; Subthalamic nucleus; Basal ganglia (Ryan, L.J. (626) 327)

Substrate
Cell adhesion molecule; Neurite outgrowth; Tyrosine hydroxylase; Dopamine; Cerebrospinal fluid; Trophic factor (Poltorak, M. (619) 255)

Substrate utilization
Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Thermogenesis; Respiratory quotient; Respiratory exchange ratio; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Subthalamic nucleus
Substantia nigra pars reticulata; Globus pallidus; Basal ganglia; Excitatory amino acid; Glutamate; Receptor; Autoradiography (Price Jr., R.H. (602) 157)

Anterior coronal gyrus; Corticosubthalamic projection; WGA-HRP; Cat (Noda, T. (605) 305)

Sensorimotor cortex; Unit and intracellular recording; Experimental brain lesion (Fujimoto, K. (609) 185)

Globus pallidus; Substantia nigra pars reticulata; Basal ganglia (Ryan, L.J. (626) 327)

Suckling behavior
Atypical olfactory glomerulus; Modified glomerular complex; Aromatase P-450; Sex steroid (Shinoda, K. (618) 160)

Sucrose
Opioid antagonist; μ Opioid receptor; κ receptor; δ Opiod receptor; Saccharin; Maltose dextrin; Palatability (Beczkowska, I.W. (618) 261)

Sudden death
Seizure; Status epilepticus; Cardiac output; Regional blood flow; Rat (Kreisman, N.R. (626) 295)

Sudden infant death syndrome
Airway control; Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Cough reflex; Ondine's curse; Respiratory control; Trachea; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Suicide
Human brain; Glutamate; NMDA receptor; MK-801; Depression (Holemans, S. (616) 138)

Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Prefrontal cortex; Temporal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

Suicide transport
Volkensin; Striatum; [^{3}H]Hemicholinium-3; Cholinergic interneuron (Harrison, M.B. (630) 169)

Suicide victims / depressives
Serotonin uptake site; Serotonin 5-HT_2 receptor; Paroxetine binding; Ketanserin binding; Human brain; Prefrontal cortex; Amygdala; Hypothalamus (Hrdina, P.D. (614) 37)

Sulfatide
Porcine calcitonin; Reverse-phase evaporation vesicles; Antinociception; Blood–brain barrier (Chen, D. (603) 139)

Blood–brain barrier; Intra-carotid injection; Liposome; Osmotic treatment (Sakamoto, A. (629) 171)

6-Sulphatoxymelatonin
Melatonin; Circadian rhythm; Photoperiod; Light; Metabolite (Kennaway, D.J. (603) 338)

Sulpiride
Ventral tegmental area; Dopaminergic mesolimbic-mesocortical system; Hypothalamic stimulation; Flight behavior; Focused attention (Crescimanno, G. (610) 242)

Amphetamine; Eticlopride; SCH 23390; Striatum; Unit activity (Rosa-Kenig, A. (619) 347)

Substantia nigra pars reticulata; Dopamine; Rodent; Dopamine D_1 receptor; Amphetamine; SCH 23390; Apomorphine; Striatonigral pathway (Yurek, D.M. (623) 56)

Sumatriptan
Migraine; Neurogenic inflammation; Tachykinin; Trigeminal ganglia; Serotonin; CP-122,288; CP-122,638 (Lee, W.S. (626) 303)

Superficial dorsal horn
Ventrolateral medulla; c-*fos*; Pain; Rat (Tavares, I. (623) 278)

Migraine; C-*Fos*; Trigeminal nucleus caudalis; Nucleus of the solitary tract; Nucleus retroambigualis (Kaube, H. (629) 95)

Superfusion
Gonadotropin-releasing hormone; Luteinizing hormone-releasing hormone; Aging; Endogenous opioid; Naloxone; Luteinizing hormone; Estrous cyclicity (Rubin, B.S. (601) 246)

Superior cervical ganglion
Neuropeptide; Non-cholinergic; Transsynaptic; Tyrosine hydroxylase; Secretin; Vasoactive intestinal peptide (McKeon, T.W. (607) 345)

Tyrosine hydroxylase; Cold stress; Sympathetic nerve; Neuropeptide Y; Aging (Andrews, T. (624) 69)

Superior cervical ganglionectomy
Acetylcholine; Neuronal plasticity; Pterygopalatine ganglion; Superior salivatory nucleus; Superior tarsal muscle (Smith, P.G. (629) 319)

Superior cervical sympathectomy
Cell culture; Microglia/macrophage; Nerve growth factor receptor; Neuroimmunology; S-antigen (McNulty, J.A. (610) 108)

Superior cervical (sympathetic) ganglia
Transglutaminase; Acetylcholine; Norepinephrine; GM1-ganglioside; α-Sialyl cholesterol; Denervation; Axotomy (Ando, M. (604) 64)

Superior colliculus
c-*fos*; Triazolam; Raphe nucleus; Suprachiasmatic nucleus; Edinger-Westphal nucleus; Dorsal tegmental nucleus; Serotonin (Cutrera, R.A. (602) 14)

Visual system; Retinal ganglion cell; Retina; Lateral geniculate nucleus; Bilateral projection; Axon collateralization; Rat (Kondo, Y. (608) 204)

Calretinin; Calcium-binding protein; Eye enucleation; Retinal deafferentation; Plasticity; Immunohistochemistry; Rat (Arai, M. (613) 341)

Inferior colliculus; Avian auditory system; Hearing impairment; Sound localization; Plasticity; Learning (Mogdans, J. (619) 29)

Retinotectal pathway; Long-term potentiation (LTD); Corticotextal pathway; LTP inhibition; GABA (Hirai, H. (629) 23)

CNS; Retina; NGF; Neurite outgrowth; Rat (Bosco, A. (632) 303)

Superior colliculus slice
Synaptic potential; Long-term potentiation; Calmodulin; Protein kinase C; Induction; Maintenance (Miyamoto, T. (605) 287)

Superior laryngeal nerve
Fictive swallowing; Antidromic mapping; Hypoglossal nucleus; Ambiguus nucleus (Ezure, K. (632) 216)

Superior rectus muscle
Eye movement; Oculomotor system; Corneal reflex; Eyeball retraction; Blink reflex; Levator palpebrae muscle; Rabbit (Guerra-Seijas, M.J. (601) 1)

Superior salivatory nucleus
Acetylcholine; Neuronal plasticity; Pterygopalatine ganglion; Superior cervical ganglionectomy; Superior tarsal muscle (Smith, P.G. (629) 319)

Superior tarsal muscle
Acetylcholine; Neuronal plasticity; Pterygopalatine ganglion; Superior cervical ganglionectomy; Superior salivatory nucleus (Smith, P.G. (629) 319)

Superior temporal sulcus
Rhesus monkey; Prorhinal cortex; Perirhinal cortex; Cytochrome oxidase; In situ hybridization; Cortico-cortical connection; Alzheimer's disease (Chandrasekaran, K. (606) 213)

Superoxide dismutase
Glucocorticoid; Neuropathology; Blood glucose; Glutathione peroxidase; Catalase (Tuor, U.I. (604) 165)

Cerebral ischemia; Hippocampus; Immunohistochemistry; Free radical; Astrocyte; Microglia; Rat (Liu, X.-H. (625) 29)

Supersensitivity
Fos; Globus pallidus; D_1 receptor; D_2 receptor; Dopamine; Immediate–early gene (Marshall, J.F. (632) 308)

Supplementary motor area
Globus pallidus; Motor cortex; Premotor area; Prefrontal area; Putamen; Caudate nucleus; Monkey (Yoshida, S.-i. (611) 170)

Suppression
Magnetoencephalography; μ Rhythm; Tremor; Parkinson's disease; Somatomotor cortex; Evoked response; Human (Mäkelä, J.P. (617) 189)

Suprachiasmatic
Circadian; Histamine; Light; Phase shift; Tuberomammillary (Cote, N.K. (613) 149)

Suprachiasmatic hypothalamic nucleus
Anorexia nervosa; Vasopressin; Oxytocin; Dynorphin; Exercise; Starvation; Posterior pituitary; Dorsal vagal complex; Thymus; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Suprachiasmatic nucleus
c-*fos*; Triazolam; Raphe nucleus; Superior colliculus; Edinger-Westphal nucleus; Dorsal tegmental nucleus; Serotonin (Cutrera, R.A. (602) 14)

Melatonin receptor; Pars tuberalis; G-protein; Quantitative autoradiography; Up-regulation; Down-regulation; Melatonin (Gauer, F. (602) 153)

Neurophysiology; Melatonin; Constant light; Light–dark cycle; Pineal gland; Circadian rhythm (Yu, G.-D. (602) 191)

Neurophysiology; Hamster; Melatonin; Pineal gland; Circadian rhythm (Rusak, B. (602) 200)

Circadian rhythm; Entrainment; Retinohypothalamic tract; Glutamate; Electrophysiology (Meijer, J.H. (603) 284)

Dorsal raphe nucleus; Co-graft; Immunocytochemistry; Serotonin; Vasopressin; Vasoactive intestinal polypeptide (Ueda, S. (605) 181)

Circadian rhythm; Disk shedding; Retina (Terman, J.S. (605) 256)

Vasoactive intestinal polypeptide; Ontogeny; Circadian; Neuropeptide; Rat; Hamster; Prenatal; Entrainment (Robinson, M.L. (605) 271)

Circadian rhythm; Somatostatin; Enzyme immunoassay; Peptide regulation; Light–dark cycle; Free-running rhythm; Rat (Fukuhara, C. (606) 28)

Circadian rhythm; Tetrodotoxin; Glucose utilization; Single unit activity; In vitro (Shibata, S. (606) 259)

Serotonin receptor; Nucleic acid hybridization (Roca, A.L. (608) 159)

Melatonin; Circadian rhythm; SCN; Pineal gland; *Phodopus sungorus* (Margraf, R.R. (609) 45)

Circadian rhythm; Fos-like immunoreactivity; Intergeniculate leaflet; Light stimulus; MK-801; *N*-Methyl-D-aspartate receptor (Park, H.T. (610) 334)

Circadian rhythm; Immediate early gene; Ganglion cell layer; Light induction; Endogenous expression; Phase shift (Chambille, I. (612) 138)

Circadian rhythm; Glutamate; Post-embedding immunogold; Retinohypothalamic tract (De Vries, M.J. (612) 231)

Bombesin; Gastrin-releasing peptide; Single-unit recording; Brain slice (Tang, K.-C. (614) 125)

Heterograft; Neural transplantation; Fetal hypothalamic graft; Fiber outgrowth (Sollars, P.J. (614) 212)

Circadian rhythm; Phase response curve; Neuropeptide Y; Retinohypothalamic tract; Single unit; Geniculohypothalamic tract (Shibata, S. (615) 95)

Substance P; Enzyme immunoassay; Rat; Circadian rhythm; Retinohypothalamic tract (Otori, Y. (619) 271)

Neuropeptide Y; Circadian rhythm; Pacemaker; Brain slice; Intergeniculate leaflet; Rat (Medanic, M. (620) 281)

Serotonin; Glutamate; Quipazine; Fos; Light; Hamster (Selim, M. (621) 181)

Neuropeptide Y; Arcuate nucleus; Paraventricular nucleus; 2-Deoxy-D-glucose; Mercaptoacetate; Feeding behavior (Akabayashi, A. (621) 343)

Phosphorylation; Circadian; Phosphoprotein; Immunohistochemistry (Mikkelsen, J.D. (623) 147)

Circadian rhythm; Pacemaker; Oscillator; Vasopressin; Cell culture (Watanabe, K. (624) 115)

Sexual orientation; Partner preference test; Bilateral SCN lesion; Testosterone (Kruijver, F.P.M. (624) 342)

Circadian rhythm; Clorgyline; Serotonin; Dopamine; Raphe nuclei; Syrian hamster (Ozaki, N. (627) 41)

Calcitonin gene-related peptide; Circadian rhythm; Geniculogeniculate projection; Intergeniculate leaflet; Mouse (Park, H.T. (629) 335)

Pinealectomy; Constant light exposure; Pars tuberalis; Hamster (Duncan, M.J. (631) 107)

Glutamate receptor; Circadian rhythm; In situ hybridisation; Rat (Mikkelsen, J.D. (632) 329)

Suprageniculate nucleus
Fastigial nucleus; Direct projection; WGA-HRP; Light microscopy; Electron microscopy; Cat (Katoh, Y.Y. (617) 155)

Supraoptic hypothalamic nucleus
Anorexia nervosa; Dynorphin; β-Endorphin; Exercise; Starvation; Arcuate hypothalamic nucleus; Anterior pituitary; Posterior pituitary (Aravich, P.F. (622) 1)

Supraoptic nucleus
Glutamate; Immunocytochemistry; Vasopressin; Neuroendocrine; Hypothalamus; Rat; Electron microscopy (Meeker, R.B. (600) 112)

A1 cell group; Noradrenergic neuron; Purinergic transmission; Neurosecretory cell; Vasopressin (Day, T.A. (607) 341)

Paraventricular nucleus; Alzheimer's disease; Hypothalamus; Human; Morphometry (De Lacalle, S. (609) 154)

Calcitonin gene-related peptide; Immunocytochemistry; Paraventricular nucleus; Pituitary gland; Sheep (Herbison, A.E. (611) 147)

A1 noradrenergic cell group; Vasopressin cell; Neurosecretory cell; α_2-Adrenoceptor; Presynaptic receptor (Khanna, S. (613) 164)

Calcium-binding protein; Calretinin; Calbindin-D28k; Parvalbumin; Paraventricular nucleus; Rat (Arai, R. (618) 323)

Hypothalamus; Aging; Alzheimer's disease; Activation; Microwave; Golgi apparatus; Paraventricular nucleus (Lucassen, P.J. (632) 105)

Calcium-binding protein; Calbindin-D28k; Vasopressin; Coexistence; Paraventricular nucleus; Rat (Arai, R. (632) 342)

Supraspinal neuron
Spinal cord; Projection neuron; Topography; Goldfish; Horseradish peroxidase study (Prasada Rao, P.D. (620) 211)

Sural nerve
Human gait; Reflex gain; Phase-dependent modulation; Task dependency; Automatic gain compensation; Exteroceptive reflex; Biceps femoris; Tibialis anterior (Duysens, J. (613) 230)

Surface analysis
Self-assembled monolayer; Cultured hippocampal neuron; Surface chemistry; X-ray photoelectron spectroscopy; Neuron survival; Neuron growth (Stenger, D.A. (630) 136)

Surface chemistry
Self-assembled monolayer; Cultured hippocampal neuron; Surface analysis; X-ray photoelectron spectroscopy; Neuron survival; Neuron growth (Stenger, D.A. (630) 136)

Surgery
Hippocampus; Brain slice; Adaptation; Electrophysiology; Epilepsy; Inhibition (Williamson, A. (622) 194)

Survival
Locus ceruleus; Tissue culture; Norepinephrine; Insulin; Differentiation; Tyrosine hydroxylase (Sklair-Tavron, L. (614) 257)

Phosphoinosite metabolism; Neuronal cell culture; Brain-derived neurotrophic factor; Neurotrophin-3; K-252b; Basic fibroblast growth factor (Widmer, H.R. (614) 325)

Sustained potential
Spreading depression; Direct current potential; Hippocampus, CA1; Microdialysis; Glutamate receptor (Herreras, O. (610) 283)

SV2
Synaptic vesicle; Synaptic vesicle protein; Synaptic vesicle purification; Proton ATPase; Synaptotagmin; Vamp; o-rab3 (Miller, K.G. (616) 99)

SV40 large T antigen
Retroviral transduction; Neuronal cell line; Medullary raphe; Differentiation; Neurotrophin; Proto-oncogene trk (Whittemore, S.R. (615) 27)

Astrocyte; Ensheathing cell; Glial maturation; Retinal ganglion neuron; Retroviral vector (Goodman, M.N. (619) 199)

Sweet taste receptor site
Taste enhancement; Chorda tympani; Saccharin; D-Amino acid; Mouse strain difference (Ninomiya, Y. (626) 287)

Swimmeret system
Thoraco-abdominal preparation; Motor activity; Abdominal positioning system; Serotonin; Proctolin; In vitro; *Procambarus clarkii* (G.) (Barthe, J.-Y. (623) 101)

Swiss Webster mouse
Morphine; Analgesia; Acute tolerance; Chronic tolerance; MK-801 (Lutfy, K. (616) 83)

Sympathetic
8-OH-DPAT; Kainic acid; Cat; Lateral tegmental field (Clement, M.E. (612) 78)

Diabetes; Aging; Neuroaxonal dystrophy; Diaphorase; Nitric oxide (Schmidt, R.E. (617) 343)

Autonomic nervous system; Parasympathetic; Renin-angiotensin; Kidney; Rat (Holmes, P.V. (621) 1)

Sympathetic activity
Baroreceptor reflex; Lateral tegmental field; Kainate; Cat (Clement, M.E. (618) 328)

Stroke; Insular cortex; Cardiac pathology; Hypertension (Butcher, K.S. (621) 79)

Sympathetically maintained pain
Streptozotocin-induced diabetes; Rat; Peripheral neuropathy; Norepinephrine; Mechanical nociceptive threshold (Ahlgren, S.C. (616) 171)

Sympathetic baroreflex
Carotid chemoreceptor; Sympathetic chemoreflex; Caudal ventrolateral medulla; Rostral ventrolateral medulla; Hypoxia (Koshiya, N. (609) 174)

Sympathetic chemoreflex
Carotid chemoreceptor; Caudal ventrolateral medulla; Rostral ventrolateral medulla; Sympathetic baroreflex; Hypoxia (Koshiya, N. (609) 174)

Sympathetic ganglion
Opioid peptide; Transmitter store; Synapse (Zhang, C. (611) 279)

Opiate receptor; Synapse; Endogenous opioid (Zhang, C. (622) 211)

M-current; Inositol 1,4,5-trisphosphate; Calcium; Potassium current; Patch-clamp; Muscarinic receptor; Phosphorylation (Chen, H. (625) 323)

Sympathetic nerve
Tyrosine hydroxylase; Cold stress; Neuropeptide Y; Aging; Superior cervical ganglion (Andrews, T. (624) 69)

Sympathetic nerve activity
Calcium channel; Nerve terminal; Norepinephrine; Ryanodine; Stellate ganglion (Gurnett, C.A. (612) 238)

Ventrolateral medulla; Blood pressure regulation; Baroreceptor reflex (Cravo, S.L. (621) 133)

Sympathetic nervous system
Vestibular system; Otolith organ; Semicircular canal; Rostral ventrolateral medulla; Spinal cord; Cardiovascular regulation (Yates, B.J. (601) 255)

Autonomic nervous system; Pseudorabies virus; Sympathetic preganglionic neuron; Transneuronal cell body labeling (Jansen, A.S.P. (617) 103)

Calcium; Intraventricular injection; Spontaneously hypertensive rat; Wistar-Kyoto rat; Ca^{2+} channel blocker (Kusano, S. (618) 63)

Vestibular system; Respiration; Posture; Cardiovascular regulation; Orthostatic hypotension (Yates, B.J. (629) 209)

Sympathetic neuron
NPY; Neurosecretion; Axonal reticulum; Axonal transport; Immunocytochemistry; Large dense-cored vesicle (Quatacker, J. (627) 249)

Sympathetic postganglionic neuron
NADPH diaphorase; Ganglionic transmission; Autonomic nervous system (Anderson, C.R. (614) 78)

Sympathetic preganglionic neuron
Serotonin (Lewis, D.I. (610) 267)

Angiotensin (Lewis, D.I. (614) 1)

Postganglionic neuron; Retrograde tracing; Intermediolateral cell column; Kidney; Renal nerve (Schramm, L.P. (616) 251)

Autonomic nervous system; Pseudorabies virus; Sympathetic nervous system; Transneuronal cell body labeling (Jansen, A.S.P. (617) 103)

Sympathetic sprouting
Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Noradrenaline; Serotonin; Transplant; Uptake (Cassel, J.C. (604) 53)

Sympathoinhibition
Medulla; Cat; AMPA; Kynurenic acid; Cardiovascular tone; Baroreflex (Dempesy, C.W. (603) 328)

Synapse
Kindling; Epilepsy; Brain slice; Spine synapse; Hippocampal subfield CA1 (Chang, F.-L.F. (603) 302)

Activity; Transmitter release; Motor terminal; Plasticity; Calcium (Hong, S.J. (605) 121)

Memory; Chick; Plasticity; Stereology; Disector (Hunter, A. (605) 251)

Estradiol; Progesterone; Neural plasticity; Arcuate nucleus; Hypothalamus (Pérez, J. (608) 38)

Sympathetic ganglion; Opioid peptide; Transmitter store (Zhang, C. (611) 279)

Calcium channel; Burst; Plateau potential; Electrical coupling; Lobster; Crustacea (Zirpel, L. (617) 205)

Corticotropin-releasing factor; Thyrotropin-releasing hormone; Double immunolabeling; Electron microscopy; Paraventricular nucleus; Hypothalamus; Rat (Hisano, S. (620) 343)

Glycerol; Muscle contraction; Transmitter release; Neuromuscular transmission (Sosa, M.A. (621) 17)

Opiate receptor; Sympathetic ganglion; Endogenous opioid (Zhang, C. (622) 211)

Synaptogenesis; Synaptic density; Quantitative morphometrics (Anthes, D.L. (626) 50)

Mouse; Adrenal; Medulla; Nerve growth factor; Putamen; Neurofilament; Dopamine; Phenylethanolamine-*N*-methyl transferase; Immunocytochemistry (Jousselin-Hosaja, M. (627) 275)

Aplysia; Culture; Slow K^+ current; FMRFamide (Yanaura, M. (629) 88)

Synapsin I
Cocaine; CaM kinase; Hippocampus; Long-term potentiation; Memory; Local anesthetic (Smith, D.A. (608) 259)

Slice; Neurotransmitter release; Pseudosubstrate peptide; In situ phosphorylation (Waxham, M.N. (609) 1)

Synaptic activation
CA1; NMDA; Antidromic; Firing blockade; Axon–soma transmission; In situ (Herreras, O. (616) 330)

Synaptic activity
Whole-cell patch clamp; Re-excitation; Nucleus tractus solitarius; Excitatory amino acid; Brainstem neuronal networks (Fortin, G. (630) 125)

Synaptic adhesion
Aging; Brain; Plasticity (Bahr, B.A. (628) 286)

Synaptic bouton
Recurrent axon collateral; Lumbar motoneuron; Frog (Chmykhova, N.M. (603) 289)

Synaptic convergence
Thalamus; Somatosensory system; Ventrobasal complex; Brainstem trigeminal complex (Wang, B.-R. (629) 253)

Synaptic density
Synapse; Synaptogenesis; Quantitative morphometrics (Anthes, D.L. (626) 50)

Synaptic depression
Striatum; Tetanus; Corticostriatal; Intracellular; EPSP (Walsh, J.P. (608) 123)

Synaptic facilitation
Spike broadening; Synaptic plasticity; Cyclic AMP; Sensitization; Dishabituation; Neuromodulation (Jarrard, H.E. (616) 188)

Synaptic gain
Input–output relation; Depolarizing bipolar cell; Hyperpolarizing bipolar cell; Spectral sensitivity; Response–intensity relation; Horizontal cell; Dark adaptation (Yang, X.-L. (613) 275)

Synaptic inhibition
Dendritic spine; Plasticity; Dendrodendritic synapse; Computer simulation (Antón, P.S. (628) 157)

Synaptic input
Noradrenaline; Neuropeptide Y; Coexistence; Nucleus preopticus medianus; Paraventricular hypothalamic nucleus; Retrograde tracing; WGA-HRP-colloidal gold; Rat (Kawano, H. (600) 74)

Synaptic junction
L-Glutamate receptor; Stereoselectivity; *Drosophila*; Analogue (Chang, Y.-C. (604) 86)

Synaptic mitochondrion
Morphometry; Mitochondrion; Aging; Cerebellum; Mitochondrial plasticity; Brain aging (Bertoni-Freddari, C. (628) 193)

Synaptic modulation
Adenosine; A1 receptor; Hippocampus; Ca^{2+}; Mg^{2+}; Presynaptic inhibition (Smith, D.A. (617) 61)

Synaptic morphology
Epilepsy; Kindling; Ultrastructure; Astrocyte; Hippocampal subfield CA1; Spine synapse (Hawrylak, N. (603) 309)

Synaptic plasticity
Entorhinal cortex lesion; PDBu binding; Protein kinase C; Hippocampus (Parent, A. (607) 23)

Short-term depression; Theta-rhythm; Hippocampus; Acetylcholine (Kleschevnikov, A.M. (611) 295)

Synaptic facilitation; Spike broadening; Cyclic AMP; Sensitization; Dishabituation; Neuromodulation (Jarrard, H.E. (616) 188)

Hippocampus; Ribosome; Ultrastructure; Long-term potentiation; Protein synthesis (Wenzel, J. (619) 331)

Hippocampus; Inositol 1,4,5-trisphosphate; Receptor autoradiography; Transplantation (Zheng, J. (624) 299)

Synaptic potential
Superior colliculus slice; Long-term potentiation; Calmodulin; Protein kinase C; Induction; Maintenance (Miyamoto, T. (605) 287)

Potassium ion activity; Glial cell; Glutamate; Cholecystokinin; Tractus solitarius; Nucleus tractus solitarii; Dorsal vagal motor nucleus (Ballanyi, K. (607) 99)

N-Methyl-D-aspartate receptor; Development; Rat; MK-801; Glutamate receptor (Kato, N. (608) 166)

Amygdala; γ-Aminobutyric acid; Opioid (Sugita, S. (612) 151)

Funnel web spider; *Hadronyche versutus*; Versutoxin; Neurotoxin; Locus coeruleus; Laterodorsal tegmental nucleus; Trigeminal nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

Synaptic ribbon
Photoreceptor; Cone; Ca^{2+}; Phosphoinositide (Schmitz, F. (604) 142)

Synaptic transmission
Serotonin; Long-term potentiation; Hippocampus; Neuromodulation; Plasticity (Villani, F. (606) 304)

Neuromuscular junction; Transmitter release; Facilitation; Calcium channel; ω-Conotoxin (Zengel, J.E. (611) 25)

γ-Aminobutyric acid; Taste; Inhibition; Brain slice (Wang, L. (616) 144)

Hippocampus; Hypoxia; Glutamate (Penning, D.H. (620) 301)

Cytokine; Electrophysiology; Excitatory postsynaptic potential; HIV-1 associated dementia; Interleukin-1β; Learning and memory (Bellinger, F.P. (628) 227)

Ammonium ion; CA1 Pyramidal neuron; Hippocampal slice; Quisqualate; *N*-Methyl-D-aspartate (Fan, P. (632) 225)

Synaptic vesicle
Synaptophysin; Purkinje cell; Occipital cortex; Human brain; Neuropathology (Honer, W.G. (609) 9)

Synaptic vesicle protein; Synaptic vesicle purification; Proton ATPase; Synaptotagmin; Vamp; SV2; o-rab3 (Miller, K.G. (616) 99)

Synaptic vesicle protein
Synaptic vesicle; Synaptic vesicle purification; Proton ATPase; Synaptotagmin; Vamp; SV2; o-rab3 (Miller, K.G. (616) 99)

Synaptic vesicle purification
Synaptic vesicle; Synaptic vesicle protein; Proton ATPase; Synaptotagmin; Vamp; SV2; o-rab3 (Miller, K.G. (616) 99)

Synaptogenesis
Hypothyroidism; Cerebellum; Tubulin; Detyrosination; Tubulinyl-tyrosine carboxypeptidase; Molecular layer (Poddar, R. (614) 233)

Synapse; Synaptic density; Quantitative morphometrics (Anthes, D.L. (626) 50)

Synaptoneurosome
Glutamate; Receptor; Phospholipase; Plasticity (Bernard, J. (628) 340)

Synaptophysin
Synaptic vesicle; Purkinje cell; Occipital cortex; Human brain; Neuropathology (Honer, W.G. (609) 9)

Cerebral ischemia; Striatum; Immunohistochemistry; Rat (Korematsu, K. (616) 320)

Synaptophysin (p38)
Vesicle; Sprout; Node of Ranvier; Nerve regeneration; Peripheral nerve (Okajima, S. (631) 133)

Synaptosome
Hypoxia; Brain; Myelin; Na^+,K^+-ATPase; Lipid peroxidation (Razdan, B. (600) 308)

Release; γ-Aminobutyric $acid_B$ receptor; Glutamate release; Aspartate release; γ-Aminobutyric $acid_B$ receptor subtype (Pende, M. (604) 325)

Lipid peroxidation; γ-Aminobutyric acid transport; Calcium transport (Palmeira, C.M. (609) 117)

Adenosine 5′-triphosphate; Spinal cord; Capsaicin; Rhizotomy; 6-Hydroxydopamine (Sawynok, J. (610) 32)

Anoxia; Glycolysis; Mitochondria; Respiration (Gleitz, J. (611) 286)

Protein kinase C; Postsynaptic density; Isozyme (Suzuki, T. (619) 69)

Acetylcholine; Choline transport; Hemicholinium-3; Cholinergic (Rylett, R.J. (626) 184)

Taurine; Presynaptic receptor; Aspartate; Glutamate; GABA; Rat cortex (Kamisaki, Y. (627) 181)

γ-Aminobutyric acid; Norepinephrine; Human neocortex; Release; Slice (Ferraro, L. (629) 103)

Synaptotagmin
Synaptic vesicle; Synaptic vesicle protein; Synaptic vesicle purification; Proton ATPase; Vamp; SV2; o-rab3 (Miller, K.G. (616) 99)

Synergy
Intracerebroventricular; Intrathecal; μ-Opiod; δ-Opiod; κ-Opioid; DAMGO; DPDPE; U50,488H (Miaskowski, C. (608) 87)

Synovial anaphylaxis
Capsaicin; Synovial blood flow; Neurogenic inflammation (Cambridge, H. (618) 238)

Synovial blood flow
Capsaicin; Synovial anaphylaxis; Neurogenic inflammation (Cambridge, H. (618) 238)

Synthesis
Acetylcholine; Neurotensin; Functional recovery (Lapchak, P.A. (613) 239)

Synthetic peptide
Alzheimer's disease; Microglia; C3 protein; β/A4 amyloid protein; Senile plaque (Haga, S. (601) 88)

Syrian hamster
Circadian rhythm; Clorgyline; Serotonin; Dopamine; Suprachiasmatic nucleus; Raphe nuclei (Ozaki, N. (627) 41)

System analysis
Purkinje cell; Recurrent collateral; Inhibition; Cerebellum; New-born rat; Cooperativity; Entropy (Bernard, C. (626) 234)

Systemic circulation
Neuron-specific enolase; Focal ischemia; Neurological deficit; Rat; Middle cerebral artery occlusion; Cerebral circulation (Barone, F.C. (623) 77)

System modeling
Nucleus tractus solitarii; Cardiovascular reflex; Neuronal dynamics (Schwaber, J.S. (604) 126)

T

Tachykinin
Striatum; Quinolinate excitotoxicity; Endogenous acetylcholine release; Glutamate (Arenas, E. (603) 317)

Neuropeptide K; Neurokinin A; Neuropeptide Y; Corticosterone; NK-2 agonist (Kalra, P.S. (610) 330)

Calretinin; Carbonic anhydrase; Trigeminal ganglion; Dorsal root ganglion; Rat (Ichikawa, H. (617) 96)

Sumatriptan; Migraine; Neurogenic inflammation; Trigeminal ganglia; Serotonin; CP-122,288; CP-122,638 (Lee, W.S. (626) 303)

Calretinin; Nasal mucosa; Cornea; Trigeminal ganglion; Rat (Ichikawa, H. (629) 231)

Age; Behavior; Dopamine; Rat; Receptor; Serotonin; Striatum; Substantia nigra; Ventral tegmental area (Stoessl, A.J. (632) 21)

Tachykinin receptor
Substance P; Neurokinin A; Cardiovascular effect; Behavioral effect; Desensitization; Central nervous system (Culman, J. (625) 75)

Tachykinin receptor antagonist
Substance P; Neurokinin A; Senktide; Phosphoinositol hydrolysis; Hypothalamus (Lebrun, C.J. (632) 74)

Tactile
Gustatory; Taste; Somatosensory; Rat; Multi-unit neural activity; Nucleus of the solitary tract (Halsell, C.B. (632) 161)

Tactile spine
Sensory receptor; Excitability; Threshold; Cockroach; Mechanotransduction (Torkkeli, P.H. (632) 317)

Tactile stimulus
Eversion; Pneumostome opening; Efferent neuron; Snail (Kemenes, G. (612) 16)

Tail-flick
Morphine; Tolerance; Formalin pain (Vaccarino, A.L. (627) 287)

Tail-flick reflex
Dynorphin; Opioid; Hindlimb paralysis; Isobolographic analysis (Qu, Z.-X. (610) 340)

Tail flick test
Footshock stress; Stress induced analgesia; Mouse; κ Opioid receptor; Opioid; Antinociception (Menendez, L. (611) 264)

Morphine; Naloxone; Stress; Analgesia; Opioid receptor (Levesque, D. (617) 176)

Opiate tolerance; MK-801; Spinal cord; Antinociception; NMDA (Gutstein, H.B. (626) 332)

Substance P; DiMe-C7; Analgesia; Formalin test; Tonic pain; Ventral tegmental area; Midbrain dopamine system; Amphetamine; Nucleus accumbens; Medial prefrontal cortex (Altier, N. (628) 279)

Tail pinch
Microdialysis; Glucose; Cerebral blood flow; Hydrogen clearance; Unanaesthetised; Rat brain; Restraint stress (Fellows, L.K. (604) 225)

Task
Posture; Human; Stepping; Perturbation (McIlroy, W.E. (616) 30)

Posture; Human; Stepping; Automatic; Perturbation (McIlroy, W.E. (631) 203)

Task dependency
Human gait; Sural nerve; Reflex gain; Phase-dependent modulation; Automatic gain compensation; Exteroceptive reflex; Biceps femoris; Tibialis anterior (Duysens, J. (613) 230)

Taste
Potassium channel; 4-Aminopyridine; Chorda tympani nerve; Salt taste; Channel blocker (Kim, M. (612) 96)

Nucleus solitarius; Substance P; Methionine enkephalin (Davis, B.J. (616) 6)

γ-Aminobutyric acid; Inhibition; Synaptic transmission; Brain slice (Wang, L. (616) 144)

Acetylcholine receptor; Nicotine; Carbachol; α-Bungarotoxin (Liu, L. (617) 37)

Brain slice; Electrophysiology; Morphology; Neurokinin; Sensory system; Whole-cell recording (King, M.S. (619) 120)

Cardiovascular response; Pharyngeal branch of the glossopharyngeal nerve; Nasopharynx (Hanamori, T. (619) 214)

Gustatory; Somatosensory; Tactile; Rat; Multi-unit neural activity; Nucleus of the solitary tract (Halsell, C.B. (632) 161)

Taste aversion
Ventral pallidum/substantia innominata; Lateral hypothalamus; Globus pallidus; Quinolinic acid; Ibotenic acid; Excitotoxin lesion; Aphagia; Feeding behavior (Cromwell, H.C. (624) 1)

Taste bud
cGMP; Olfactory cilium; Circumvallate papilla; Retina (Borisy, F.F. (610) 199)

Na transport; Lingual epithelium; Taste transduction; Amiloride (Simon, S.A. (615) 218)

Taste enhancement
Chorda tympani; Saccharin; D-Amino acid; Sweet taste receptor site; Mouse strain difference (Ninomiya, Y. (626) 287)

Taste transduction
Taste bud; Na transport; Lingual epithelium; Amiloride (Simon, S.A. (615) 218)

Tau
Alz-50; Striatum; Immunohistochemistry; Heat-shock protein; NADPH diaphorase (Nelson, P.T. (600) 285)

Ghost tangle; Alzheimer's disease; Processing; Abnormal phosphorylation (Endoh, R. (601) 164)

Alzheimer's disease; Excitatory amino acid; Fura-2; Hippocampus; Human neuron; Laser microprobe mass spectrometry; Neuron death; Ubiquitin (Mattson, M.P. (602) 21)

cAMP-dependent protein kinase; Calcium/calmodulin-dependent protein kinase II; Alzheimer's disease; Tubulin; Calpain (Litersky, J.M. (604) 32)

Aging; Alzheimer's disease; Cytoskeleton; Oxidation (Troncoso, J.C. (613) 313)

Gerstmann–Sträussler–Scheinker disease; Alzheimer's disease; Neurofibrillary tangle; Paired helical filament; A68 (Tagliavini, F. (616) 325)

MAP kinase; ERK2; Phosphorylation (Trojanowski, J.Q. (618) 333)

Axonal dystrophic neurite; Paired helical filament; Hippocampal formation; Immunocytochemistry; Neuropathology; Alzheimer's disease (Su, J.H. (625) 228)

Alzheimer's disease; Aluminum; Microtubule; Cytoskeleton; Deferoxamine (Scott, C.W. (628) 77)

Taurine
Substantia nigra; Cyclic AMP; A kinase; Acute dissociated neuron; Voltage clamp (Inomata, H. (615) 347)

Regional superfusion; Intrathecal space; Vaginocervical stimulation; Potassium stimulation; Analgesia; Nociception; Glycine; GABA; Glutamate; Aspartate (Masters, D.B. (621) 279)

Presynaptic receptor; Aspartate; Glutamate; GABA; Synaptosome; Rat cortex (Kamisaki, Y. (627) 181)

***t*-Butylbicyclophosphorothionate**
Anesthesia; Benzodiazepine receptor; $GABA_A$ receptor; Isoflurane; Stereospecificity (Moody, E.J. (615) 101)

Tectal transplant
Cortical transplant; Functional reinnervation; Visual topography; Electrophysiology (Girman, S.V. (607) 167)

Tegmentum
Pigeon; Immunocytochemistry; Telencephalon; Substantia nigra; Area ventralis tegmentalis; Neostriatum; Retrograde tracing (Waldmann, C. (600) 225)

Telencephalic culture
Na^+,K^+-ATPase; Sodium pump; Immunoblotting; Immunohistochemistry; Ouabain (Brines, M.L. (631) 1)

Na^+,K^+-ATPase; Glia; Sodium pump; Regulation; Glutamate; Excitotoxicity (Brines, M.L. (631) 12)

Telencephalon
Pigeon; Immunocytochemistry; Tegmentum; Substantia nigra; Area ventralis tegmentalis; Neostriatum; Retrograde tracing (Waldmann, C. (600) 225)

Teleost
Regeneration; Lipophilic tracer DiI; DiI; Tract tracing; Sensory system; Topography; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

Teleost fish
Mauthner cell; Spinal cord; Regeneration; Reticulospinal neuron; Vestibulospinal neuron; Goldfish (Bentley, A.P. (630) 333)

Temperature
Serotonin; 8-OH-DPAT; Frontal cortex; Nucleus raphe dorsalis; In vivo voltammetry; Stress; Rat (Clement, H.-W. (614) 117)

Hyperthermia; c-*fos*; Immunocytochemistry; Preoptic area; Thermoregulation (Scammell, T.E. (618) 303)

Long-term potentiation; Plasticity; Hippocampus; Rat (Bittar, P. (620) 181)

Somatosensory; Sensorimotor; Parietal ablation; Discrimination; Trigeminal; Neospinothalamic (Porter, L.H. (621) 319)

Glutamate receptor; Inhibition; Solubilization (Hall, R.A. (628) 345)

Seizure; Kainic acid; Kainate; Brain damage (Liu, Z. (631) 51)

Hyperbaric oxygen; Seizure; Kindling; Hypothermia (Fenton, L.H. (632) 143)

Temporal cortex
Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

Temporal lobe
Inhibitory interaction; Multiple stimulus (Miller, E.K. (616) 25)

Compensatory ovarian hypertrophy; Gonadotropin; Progesterone; Asymmetry; Rat (Gerendai, I. (619) 173)

Testis
Cytokine; Hippocampus; Spleen (Takao, T. (623) 172)

Testosterone
Lumbosacral spinal cord; Neuromuscular; Sexual dimorphism; Motoneuron (Hodges, L.L. (602) 187)

Vomeronasal organ; Vasopressin; Bed nucleus of stria terminalis; Social recognition; Rat (Bluthé, R.M. (604) 205)

Reproduction; Torpor; Seasonal cycle; Body mass (Ruby, N.F. (608) 1)

Androgenized female; Antidromic activation; Estrogen; Medial preoptic area; Sexual behavior; Sexual dimorphism; Ventral tegmental area (Hasegawa, T. (611) 1)

Estradiol; Galanin; Medial preoptic area; Sex difference; Immunohistochemistry (Bloch, G.J. (620) 259)

Olfactory bulb; Norepinephrine; Dopamine; 6-Hydroxydopamine; Recognition; Habituation; Male rat (Guan, X. (622) 51)

Steroid receptor; Steroid abuse; Athlete; Castration; Intact; Immunocytochemistry; Optical density (Menard, C.S. (622) 226)

Suprachiasmatic nucleus; Sexual orientation; Partner preference test; Bilateral SCN lesion (Kruijver, F.P.M. (624) 342)

Astrocyte; Brain injury; Reactive gliosis; Estradiol; Progesterone; Cerebral cortex; Hippocampus; Dentate gyrus (Garcia-Estrada, J. (628) 271)

Immunocytochemistry; Seasonal variation; Hypothermic period (Hermes, M.L.H.J. (631) 313)

Tetanization
Long-term depression; Hippocampus; Inhibition; Kindling; Epileptogenesis; Electrophysiology; GABA (Merlin, L.R. (627) 330)

Tetanus
Striatum; Synaptic depression; Corticostriatal; Intracellular; EPSP (Walsh, J.P. (608) 123)

12-*O*-Tetradecano
Astrocyte growth
Protein kinase C
ture (Kawada, M.

Tetraethylammon
Action potential;
sium channel; 4-A
ing; Positive symp

4-Aminopyridine;
photoreceptor; Ho
tle (Perlman, I. (6

Tetraethylammoni
Cardiac ganglion;
organizing potenti
Lobster (Berlind,

Tetrahydrocannab
Cerebellar granule
cyclase; GTPase; V
mutant; Pertussis t
102)

Cannabidiol; CP-5
ance; Autoradiogr
293)

Δ^9-Tetrahydrocann
Marijuana; Cannab
Dopamine; Ventra
accumbens; Microd
diction (Chen, J. (

(−)-CP-55,940; Re
conditioning; Hipp
cellular recording;
receptor (Xue, B.C

Cannabinoid; Rece
Antinociception; B
CP-55,940 (Martin,

Tetrodotoxin
Flunarizine; Glutar
nel; Na^+ channel; V
(Cousin, M.A. (606

Suprachiasmatic nu
Glucose utilization
vitro (Shibata, S. (6

Vasoactive intestin
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Acetylcholine; Rele
Microdialysis (Masu

Respiratory neuron
Input resistance; Ba
(Haji, A. (622) 294)

Pyrethroid; Allethri
sal root ganglion; In
(627) 239)

TFMPP
Paraventricular nuc
Hydroxytryptamine;
etine; 8-OH-DPAT

Thalamic D_2 recept
Dopamine D_2 recep
Cortical D_2 recepto
trastriatal D_2 recep
mortem study (Kess

Seizure; Kainic acid; Kainate; Brain damage (Liu, Z. (631) 51)

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Quantitative receptor autoradiography; [^{3}H]prazosin; [^{3}H]-*p*-aminoclonidine; α_1-Adrenergic receptor; α_2-Adrenergic receptor; Norepinephrine; Suicide; Prefrontal cortex; Cortical lamina; Aging; Affective disorder (Arango, V. (630) 271)

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Inhibitory interaction; Multiple stimulus (Miller, E.K. (616) 25)

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Immunocytochemistry; Seasonal variation; Hypothermic period (Hermes, M.L.H.J. (631) 313)

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Long-term depression; Hippocampus; Inhibition; Kindling; Epileptogenesis; Electrophysiology; GABA (Merlin, L.R. (627) 330)

Tetanus
Striatum; Synaptic depression; Corticostriatal; Intracellular; EPSP (Walsh, J.P. (608) 123)

12-*O*-Tetradecanolyphorbol 13-acetate
Astrocyte growth regulation; Prostaglandin; Protein kinase C α subtype; Brain cell culture (Sawada, M. (613) 67)

Tetraethylammonium
Action potential; Periaxonal space; Potassium channel; 4-Aminopyridine; Ectopic firing; Positive symptom (Kapoor, R. (611) 165)

4-Aminopyridine; Potassium channel; Cone photoreceptor; Horizontal cell; Retina; Turtle (Perlman, I. (619) 89)

Tetraethylammonium ion
Cardiac ganglion; Driver potential; Burst-organizing potential; Barium; Crustacean; Lobster (Berlind, A. (609) 51)

Tetrahydrocannabinol
Cerebellar granule cell; G protein; Adenylyl cyclase; GTPase; Weaver mutant; Staggerer mutant; Pertussis toxin (Pacheco, M.A. (603) 102)

Cannabidiol; CP-55,940; Catalepsy; Tolerance; Autoradiography (Oviedo, A. (616) 293)

Δ^9-Tetrahydrocannabinol
Marijuana; Cannabis; Cannabinoid; Dopamine; Ventral tegmental area; Nucleus accumbens; Microdialysis; Brain reward; Addiction (Chen, J. (621) 65)

(−)-CP-55,940; Reinforcement; Operant conditioning; Hippocampal CA1 cell; Extracellular recording; Marijuana; Cannabinoid receptor (Xue, B.G. (626) 272)

Cannabinoid; Receptor; Pain; Analgesia; Antinociception; Brain; Rat; WIN55,212-2; CP-55,940 (Martin, W.J. (629) 300)

Tetrodotoxin
Flunarizine; Glutamate release; Ca^{2+} channel; Na^+ channel; Veratridine; Ouabain (Cousin, M.A. (606) 227)

Suprachiasmatic nucleus; Circadian rhythm; Glucose utilization; Single unit activity; In vitro (Shibata, S. (606) 259)

Vasoactive intestinal polypeptide; Pituitary adenylate cyclase activating polypeptide; Acetylcholine; Release; Hippocampus; Rat; Microdialysis (Masuo, Y. (611) 207)

Respiratory neuron; Membrane potential; Input resistance; Baclofen; Iontophoresis (Haji, A. (622) 294)

Pyrethroid; Allethrin; Sodium channel; Dorsal root ganglion; Insecticide (Ginsburg, K.S. (627) 239)

TFMPP
Paraventricular nucleus; Lesion; Feeding; 5-Hydroxytryptamine; D-Fenfluramine; Fluoxetine; 8-OH-DPAT (Fletcher, P.J. (630) 1)

Thalamic D_2 receptor
Dopamine D_2 receptor; Limbic D_2 receptor; Cortical D_2 receptor; [^{125}I]Epidepride; Extrastriatal D_2 receptor; Human brain post mortem study (Kessler, R.M. (609) 237)

Thalamic neuron response
Ventrobasal complex; Uterus distension; Vagina distension; Prostaglandin $F_{2\alpha}$; Bradykinin suprafusion (Guilbaud, G. (614) 285)

Thalamic reticular nucleus
Thalamus; Basal forebrain; Nerve growth factor; Choline acetyltransferase (Chen, S. (606) 207)

Thalamocortical
Spinal cord; Ascending projection; Nociceptive; Pain (Stevens, R.T. (631) 241)

Thalamo-cortical neuron
Sleep spindle; Slow wave activity; Sleep homeostasis; Spectral analysis; Sigma activity (Dijk, D.-J. (626) 190)

Thalamus
Brainstem; Neuropeptide; Immunohistochemistry; Retrograde tracing; Rat (Lechner, J. (603) 47)

Basal forebrain; Pedunculopontine tegmental nucleus; Dorsal raphe nucleus; Acetylcholine; Serotonin; Immunohistochemistry; Retrograde labeling (Losier, B.J. (604) 41)

Thalamic reticular nucleus; Basal forebrain; Nerve growth factor; Choline acetyltransferase (Chen, S. (606) 207)

Nociception; Analgesia; Cat; Ascending inhibition; Nucleus raphe magnus (Koyama, N. (609) 298)

Spike-wave discharge; Rat; Neurolept anesthesia; Multiple unit; Cortex; Absence epilepsy (Inoue, M. (612) 35)

Nucleus ventralis posterolateralis thalami; Deafferentation pain; Spinothalamic tract; *N*-Methyl-D-aspartate; MK-801 (Koyama, S. (612) 345)

Somatosensory system; Ventrobasal complex; Brainstem trigeminal complex; Synaptic convergence (Wang, B.-R. (629) 253)

Opioid; Nociception; Analgesia; Frontal cortex; Spinal cord (Coffield, J.A. (630) 252)

Cortex; Spike–wave discharge; Generalized absence epilepsy; *N*-Methyl-D-aspartate; Sleep spindle (Coulter, D.A. (631) 137)

WGA-HRP; Electron microscopy; Cortex (Williamson, A.M. (631) 175)

Thapsigargin
Chick ciliary ganglion cell; Cytosolic free calcium; Fura-2 microfluorometry; Caffeine; Muscarinic agonist; Ryanodine (Sorimachi, M. (627) 34)

Theophylline
Amino acid; R-PIA; Veratridine; Cerebral ischemia; Microdialysis (Heron, A. (608) 27)

Thermal dependence
Carotid body; Chemoreceptor; Chemosensory excitation; Receptor gain; Thermosensor (Alcayaga, J. (600) 103)

Thermal nociception
Galanin; Intrathecal injection; Mechanical nociception; Oxytocin level; Immunohistochemistry (Lundeberg, T. (608) 181)

Thermogenesis
Thermoregulation (Halvorson, I. (610) 208)

Paraventricular nucleus of the hypothalamus; Somatostatin; Energy balance; Energy expenditure; Respiratory quotient; Carbohydrate utilization; Fat utilization; Body weight; Blood glucose; Indirect calorimetry; Energy metabolism; Rat (Atrens, D.M. (630) 238)

Paraventricular nucleus of the hypothalamus; Glucagon; Energy balance; Energy expenditure; Respiratory quotient; Respiratory exchange ratio; Substrate utilization; Food intake; Feeding; Body weight; Blood glucose; Indirect calorimetry; Calorimetry; Obesity; Rat (Atrens, D.M. (630) 245)

Thermoreception
Morphine; Trigeminal; Dorsal horn; Marginal zone; Antinociception (Mokha, S.S. (602) 205)

Pain; Human thalamus; Ventral posterior nucleus; Microstimulation; Wide dynamic range cell; High threshold cell; Single neuron analysis (Lenz, F.A. (623) 235)

Thermoregulation
Thermogenesis (Halvorson, I. (610) 208)

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Hyperthermia; c-*fos*; Immunocytochemistry; Preoptic area; Temperature (Scammell, T.E. (618) 303)

Thermosensor
Carotid body; Chemoreceptor; Chemosensory excitation; Receptor gain; Thermal dependence (Alcayaga, J. (600) 103)

Theta rhythm
Long-term potentiation; Long-term depression; Hippocampus; CA1; Norepinephrine; Adenosine (Larson, J. (600) 97)

Short-term depression; Synaptic plasticity; Hippocampus; Acetylcholine (Kleschevnikov, A.M. (611) 295)

Hippocampus; Septum; Carbachol; Atropine; Cholinergic; Septal infusion (Monmaur, P. (631) 317)

Thiamine
Thiamine phosphoesters; Phenytoin; Nervous system; Compartmental model; Metabolism *in vivo* (Patrini, C. (628) 179)

Thiamine-dependent enzyme
Alzheimer's disease; Cholinergic neuronal loss; Thiamine diphosphatase; Thiamine neurochemistry (Rao, V.L.R. (631) 334)

Thiamine diphosphatase
Alzheimer's disease; Cholinergic neuronal loss; Thiamine-dependent enzyme; Thiamine neurochemistry (Rao, V.L.R. (631) 334)

Thiamine neurochemistry
Alzheimer's disease; Cholinergic neuronal loss; Thiamine diphosphatase; Thiamine-dependent enzyme (Rao, V.L.R. (631) 334)

Thiamine phosphoester
Thiamine; Phenytoin; Nervous system; Compartmental model; Metabolism *in vivo* (Patrini, C. (628) 179)

Thiamylal
Cerebellum granule cell; Excitatory amino acid; Intracellular calcium; Cyproheptadine; Kainate; *N*-Methyl-D-aspartate; Quisqualate; Phenobarbital; Secobarbital; Pentobarbital (Cai, Z. (611) 181)

Thienylphencyclidine
Cell culture; Human spinal cord; γ-Aminobutyric acid-immunoreactive neuron; Computer microscope; Principal component analysis (Calvet, M.-C. (608) 299)

Thigmotaxis
Callosotomy; Dodging; Lateralized behavior; Rotational behavior; Striatum; Amphetamine; Apomorphine; Interhemispheric (Sullivan, R.M. (609) 347)

Thiol
Neuronal survival factor; Short-term dissociated culture (Grill Jr., R.J. (613) 168)

Thioperamide
Neuronal histamine; Feeding suppression; α-Fluoromethylhistidine; Histamine H_3 receptor (Ookuma, K. (628) 235)

Thoraco-abdominal preparation
Motor activity; Swimmeret system; Abdominal positioning system; Serotonin; Proctolin; In vitro; *Procambarus clarkii* (G.) (Barthe, J.-Y. (623) 101)

Threshold
Sensory receptor; Excitability; Cockroach; Tactile spine; Mechanotransduction (Torkkeli, P.H. (632) 317)

Thrombin
Primary astrocyte; Endothelin; Endothelin receptor; Inositolphospholipid turnover; AP1; Reverse transcriptase PCR (Ehrenreich, H. (600) 201)

Thymidine
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Thymopentin
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Thymopoietin
Thymopentin; Neuronal nicotinic receptor; Noradrenaline release (Afar, R. (606) 346)

Thymus
Anorexia nervosa; Vasopressin; Oxytocin; Dynorphin; Exercise; Starvation; Suprachiasmatic hypothalamic nucleus; Posterior pituitary; Dorsal vagal complex; Fluoxetine; Serotonin (Aravich, P.F. (612) 180)

Thyroid axis
Thyroliberin; Dietary protein; In situ hybridization (Shi, Z.-X. (606) 1)

Thyroid hormone
Thyroxine; Triiodothyronine; Hypo- and hyperthyroidism; Desmethylimipramine; Tricyclic antidepressant; Norepinephrine; Amine uptake (Gordon, J.T. (626) 175)

Choroid plexus; Meninges; CSF; Plasma protein; Hyperthyroidism; Hypothyroidism; Thyroxine (Blay, P. (632) 114)

Thyroliberin
Dietary protein; In situ hybridization; Thyroid axis (Shi, Z.-X. (606) 1)

Thyrotropin-releasing hormone
Quantitative autoradiography; Hippocampus; Human brain; Binding site (Eymin, C. (605) 139)

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Galanin; Water maze; Choline acetyltransferase activity; Indoleamine (Aspley, S. (622) 330)

Paraventricular nucleus; Medulla oblongata; Wheat germ agglutinin-conjugated horseradish peroxidase; Immunocytochemistry; Rat (Shioda, S. (625) 9)

U-50,488H; κ-Opiate agonist; Analgesia; Hypothermia; Mouse (Bhargava, H.N. (625) 120)

Motoneuron disease; Immunocytochemistry; Spinal cord; Computerized morphometry (Shi, J. (626) 83)

Thyroxine
Thyroid hormone; Triiodothyronine; Hypo- and hyperthyroidism; Desmethylimipramine; Tricyclic antidepressant; Norepinephrine; Amine uptake (Gordon, J.T. (626) 175)

Choroid plexus; Meninges; CSF; Thyroid hormone; Plasma protein; Hyperthyroidism; Hypothyroidism (Blay, P. (632) 114)

Tianeptine
Morphine; Medullary dorsal horn; Tricyclic antidepressant; 5-Hydroxyindole; Voltammetry (Puig, S. (600) 219)

Antidepressant drug; Imipramine; Stress; Hippocampus; Serotonin receptor; Serotonin transporter (Watanabe, Y. (615) 87)

Tibialis anterior
Human gait; Sural nerve; Reflex gain; Phase-dependent modulation; Task dependency; Automatic gain compensation; Exteroceptive reflex; Biceps femoris (Duysens, J. (613) 230)

Tibial nerve
c-Fos; Dorsal horn; Somatotopy; Peripheral nerve injury; Peroneal nerve (Sugimoto, T. (621) 161)

Time
Axon; Coincidence detector; Dendrite; Barn owl (Carr, C.E. (628) 330)

Time–course
Cocaine; Regional cerebral blood flow; Autoradiography; Mesolimbic; Nigrostriatal (Stein, E.A. (626) 117)

Timing
Classical conditioning; Cerebellar cortex; Learning; Retention; Nictitating membrane; Rabbit; Cerebellum; Aspiration (Woodruff-Pak, D.S. (608) 67)

Tissue culture
Locus ceruleus; Norepinephrine; Insulin; Survival; Differentiation; Tyrosine hydroxylase (Sklair-Tavron, L. (614) 257)

Tissue dehydration
Neuronal tracer; Histology (Kruse, M.N. (613) 352)

Tissue water content
Brain trauma; Steroid hormone; Edema; Sex difference (Roof, R.L. (607) 333)

T-maze
Aging; Animal model; Brain atrophy; Inbred mouse; Conditional avoidance (Shimada, A. (608) 266)

α-Tocopherol
Long-term potentiation; Hippocampal slice; CA1 neuron; L-Ascorbic acid; Free radical; *N*-Methyl-D-aspartate receptor; Excitatory postsynaptic potential; 2-Amino-5-phosphonovalerate (Xie, Z. (604) 173)

Cerebral ischemia; Reperfusion; Brain; Lipid peroxidation; Stroke (Yue, T.-L. (610) 53)

Tolerance
Pheochromocytoma; PC12; Ethanol; Calcium flux; Patch clamp (Grant, A.J. (600) 280)

Morphine; Arginine vasopressin; Amnesia; Brain ischemia; Hypoxia; Scopolamine; Electroconvulsive shock (Sugimachi, N. (609) 93)

Noradrenaline; Microdialysis; Prefrontal cortex; Morphine dependence; Morphine withdrawal (Rossetti, Z.L. (609) 316)

Morphine; Analgesia; Hypothermia; U-50,488H; κ Opiate agonist; Mouse; Cross tolerance; Ethylketocyclazocine; D-Ala^2,MePhe^4,Gly-ol^5-Enkephalin; B_{max}; K_d; Brain; Spinal cord (Thorat, S.N. (615) 191)

Ethanol; Calcium channel; Hippocampal neuron; Short-sleep mice; Long-sleep mouse (Huang, G.-J. (615) 328)

Tetrahydrocannabinol; Cannabidiol; CP-55,940; Catalepsy; Autoradiography (Oviedo, A. (616) 293)

Sensitization; Ventral tegmental area; Morphine; Opiate; Brain stimulation reward; Circling; Locomotion (Bauco, P. (617) 303)

U-50,488H; Nitric oxide (Thorat, S.N. (621) 171)

Cholecystokinin; Morphine; Gene expression; Radioimmunoassay (Ding, X.Z. (625) 139)

Morphine; Formalin pain; Tail-flick (Vaccarino, A.L. (627) 287)

Tolerance dependence
U-50,488H; Dynorphin (1–13); Brain region; Pituitary; Spinal cord; Heart; Adrenal; Kidney (Bhargava, H.N. (600) 151)

Morphine; Abstinence; Rat; Dopamine D_2 receptor; Spiroperidol; 2-Bromo-α-ergocryptine; Behavioral activity; Receptor density; Apparent dissociation constant (Reddy, P.L. (607) 293)

Tolerance development
Maturation; Age; Hexobarbital; Diazepam; EEG threshold; Rat (Korkmaz, S. (600) 345)

Toluene
Cerebellum; Cell number; Disector; Neurostereology; Rat; Stereology; Vertical section (Korbo, L. (609) 262)

Tongue
Nucleus ventralis posteromedialis parvocellularis; Somatosensory lingual input; Cortical projection; Coronal gyrus; Jaw movement (Nishikawa, Y. (605) 265)

Tonic activity
Diaphragm; Radiated activity; Spinal origin; Respiratory pattern generator; Fetal lamb (Berger, P.J. (612) 299)

Tonic-clonic seizure
Cerebellum; Purkinje cell; Non-ataxic; Exploratory behavior; Immune response; Guinea pig (Lev-Ram, V. (606) 325)

Tonic descending inhibition
Opiate analgesia; Pain; Periacqueductal gray; Nucleus paragigantocellularis (Rosenfeld, J.P. (605) 57)

Tonic pain
Substance P; DiMe-C7; Analgesia; Formalin test; Tail-flick test; Ventral tegmental area; Midbrain dopamine system; Amphetamine; Nucleus accumbens; Medial prefrontal cortex (Altier, N. (628) 279)

Tonic recognition site for L-DOPA
Rat rostral ventrolateral medulla; Microdialysis; Transmitter-like L-DOPA release; Microinjection; Pressor responses to L-DOPA; Competitive L-DOPA antagonist (Yue, J.-L. (629) 310)

Tonic vibration reflex
Motor unit; Recruitment threshold; Wrist extensor muscle; Man (Romaiguère, P. (602) 32)

Tonotopy
c-Fos immunohistochemistry; 2-Deoxyglucose autoradiography; Auditory system (Reimer, K. (616) 339)

Toosendanin
Motor nerve terminal; Effect on membrane current; Perineurial recording; Transmitter release; Calcium channel; Potassium channel (Xu, Y. (631) 46)

Tooth pulp afferent
Rat; Awake animal; Glutamate; Trigeminal sensory complex; NMDA antagonist; Microinfusion (Boucher, Y. (614) 155)

Topographical organization
Dorsal column nucleus; Primary afferent; Somatosensory (Crockett, D.P. (603) 324)

Dorsal column nucleus; Plasticity; Primary afferent; Somatosensory; Metabolism (Crockett, D.P. (612) 41)

Topography
In vitro receptor autoradiography; Non-opioid γ-type endorphin; Neuropeptide; Mesocorticolimbic system; Anti-idiotypic antibody (Ronken, E. (615) 63)

Spinal cord; Projection neuron; Goldfish; Supraspinal neuron; Horseradish peroxidase study (Prasada Rao, P.D. (620) 211)

Regeneration; Lipophilic tracer DiI; DiI; Tract tracing; Sensory system; Teleost; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

Torasemide
Cell swelling; C6 glioma; Lactacidosis; Glutamate (Staub, F. (610) 69)

Torpedo
Choline acetyltransferase; Amphiphilic; *Drosophila*; Rat (Salem, N. (609) 223)

Torpor
Reproduction; Seasonal cycle; Body mass; Testosterone (Ruby, N.F. (608) 1)

Toxin
Acetylcholinesterase; Substantia nigra; Fasciculin; Circling behavior; Motor activity (Dajas, F. (616) 1)

Trachea
Airway control; Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Cough reflex; Ondine's curse; Respiratory control; Sudden infant death syndrome; Tracheobronchial system; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Tracheobronchial system
Airway control; Autonomic nervous system; Bronchoconstriction; Central chemosensitivity; Cough reflex; Ondine's curse; Respiratory control; Sudden infant death syndrome; Trachea; Vagus nerve; Ventral medulla (Haxhiu, M.A. (618) 115)

Tract tracing
Songbird; Respiration; Vocalization (Wild, J.M. (606) 319)

Intranasal inoculation; Rhabdovirus; Viral propagation; Main olfactory system (Astic, L. (619) 146)

Regeneration; Lipophilic tracer DiI; DiI; Sensory system; Teleost; Topography; Bulbectomy; Autoradiography (Stewart, J.S. (628) 243)

Tractus solitarius
Potassium ion activity; Glial cell; Synaptic potential; Glutamate; Cholecystokinin; Nucleus tractus solitarii; Dorsal vagal motor nucleus (Ballanyi, K. (607) 99)

Transcranial magnetic stimulation
Silent period (Triggs, W.J. (628) 39)

Transcription factor
Luteinizing hormone; Hypothalamus; Reproductive function; Immune system; Ovulatory cycle; Stress mechanism; Immunocytochemistry; Push–pull (Rivest, S. (613) 132)

Immobilization stress; Colchicine (Kainu, T. (615) 245)

Transcutaneous stimulation
Regeneration; Nerve regeneration; Nerve injury; Sciatic; Motoneuron; Age; Electromyogram (Campbell, J.J. (603) 264)

Transduction
Photoreceptor; Second messenger; Crayfish; Calcium; Inositol trisphosphate; GTP; Caudal photoreceptor (Kruszewska, B. (618) 32)

Transferrin receptor
Blood–ocular barrier; Blood–brain barrier; Astrocyte; P-Glycoprotein; γ-Glutamyl transpeptidase (Holash, J.A. (629) 218)

Transforming growth factor α
Neutral endopeptidase 24.11; Transplantation; Glial fibrillary acidic protein; Cortex; Ventral mesencephalon; CALLA; Enkephalinase (Back, S.A. (612) 85)

Transgenic insertional mutant
Striatum; Dopamine D_2 receptor; Circling behavior; Mediodorsal thalamus; Serotonin 5-HT_1 receptor; γ-Aminobutyric acid; Hyperactivity (Fitzgerald, L.W. (608) 247)

Transgenic mouse
Dopamine β-hydroxylase; Phenylethanolamine *N*-methyltransferase; Dentate gyrus; Entorhinal cortex; Hippocampal formation; Electron microscopic immunocytochemistry (Arai, R. (621) 141)

Transglutaminase
Acetylcholine; Norepinephrine; GM1-ganglioside; α-Sialyl cholesterol; Superior cervical (sympathetic) ganglia; Denervation; Axotomy (Ando, M. (604) 64)

Transient forebrain ischemia
Gerbil; Cortex; Pentobarbital (Hayashi, T. (620) 171)

Manganese superoxide dismutase; Copper-zinc superoxide dismutase; Hippocampus; Ischemic tolerance; Gerbil (Ohtsuki, T. (620) 305)

Transient global ischemia
Amyloid precursor protein; Microtubule-associated protein 2; Four-vessel occlusion; Alzheimer's disease (Robison, P.M. (608) 334)

Transmembrane signaling
Alcoholic; Guanine nucleotide binding protein; Immunoblotting; Photoaffinity labeling; Ethanol (Ozawa, H. (620) 174)

Transmitter
L-DOPA; Striatum; Glutamate; Release; Parkinson's disease; Rat (Goshima, Y. (617) 167)

Transmitter-like L-DOPA release
Rat rostral ventrolateral medulla; Microdialysis; Microinjection; Pressor responses to L-DOPA; Competitive L-DOPA antagonist; Tonic recognition site for L-DOPA (Yue, J.-L. (629) 310)

Transmitter release
Activity; Motor terminal; Plasticity; Calcium; Synapse (Hong, S.J. (605) 121)

Neuromuscular junction; Synaptic transmission; Facilitation; Calcium channel; ω-Conotoxin (Zengel, J.E. (611) 25)

Noradrenaline; Acetylcholine; Microdialysis; Hippocampus; Functional recovery; Fimbria-fornix lesion (Leanza, G. (615) 147)

Acetylcholine; Hippocampus; Transplantation; Microdialysis; Catecholamine (Leanza, G. (618) 47)

Glycerol; Muscle contraction; Synapse; Neuromuscular transmission (Sosa, M.A. (621) 17)

Chromogranin; Retina; Dopamine (Gibson, C.J. (622) 303)

Autoreceptor; Positive feedback; Excitatory amino acid; Paired pulse facilitation; Magnesium (Nakamura, F. (622) 307)

Neuromuscular junction; Noise analysis; Catecholamine; Myasthenia gravis; Congenital myasthenic syndrome (Sieb, J.P. (623) 167)

Toosendanin; Motor nerve terminal; Effect on membrane current; Perineurial recording; Calcium channel; Potassium channel (Xu, Y. (631) 46)

Transmitter store
Sympathetic ganglion; Opioid peptide; Synapse (Zhang, C. (611) 279)

Transneuronal cell body labeling
Autonomic nervous system; Pseudorabies virus; Sympathetic nervous system; Sympathetic preganglionic neuron (Jansen, A.S.P. (617) 103)

Transneuronal tracing
Fluorescent tracer; Rhodamine β-isothiocyanata; Isthmo-optic nucleus; Retinal projection; Bird (Miceli, D. (601) 289)

Transplant
Acetylcholine; Choline acetyltransferase; Choline; Fimbria–fornix; 5-Hydroxyindolacetic acid; Hippocampus; High-performance liquid chromatography; Noradrenaline; Serotonin; Sympathetic sprouting; Uptake (Cassel, J.C. (604) 53)

Transplantation
Hippocampus; Kindling; Epilepsy (Miyamoto, O. (603) 143)

Neutral endopeptidase 24.11; Glial fibrillary acidic protein; Cortex; Ventral mesencephalon; CALLA; Enkephalinase; Transforming growth factor α (Back, S.A. (612) 85)

Acetylcholine; Hippocampus; Microdialysis; Transmitter release; Catecholamine (Leanza, G. (618) 47)

Substantia nigra; Neurite; Brain injury; Fluorescence histochemistry; Kainic acid; Excitotoxic lesion (Takashima, H. (621) 71)

Parkinson's disease; Autoradiography; Mazindol; Striatum (Howells, D.W. (622) 285)

Dorsal cochlear nucleus; Lurcher mutant mouse; Purkinje cell; Migration (Dumesnil-Bousez, N. (622) 343)

Cryopreservation; Culture; Dopamine; Rotational behavior (Collier, T.J. (623) 249)

Hippocampus; Inositol 1,4,5-trisphosphate; Receptor autoradiography; Synaptic plasticity (Zheng, J. (624) 299)

Transport
Methylmercury; L-Glutamate; D-Aspartate; Astrocyte (Aschner, M. (602) 181)

Mercuric chloride; *N*-Ethylmaleimide; Iodoacetate; Glutamate; Astrocyte (Albrecht, J. (607) 249)

Glutamate; Aspartate; Excitotoxicity; Ischemia; Neuronal death (Anderson, K.J. (622) 93)

Transporter
Tricyclic antidepressant; Desipramine; Norepinephrine transporter mRNA; Locus ceruleus (Szot, P. (618) 308)

Transport kinetics
Cell volume regulation; Amino acid; Osmolality (Beetsch, J.W. (613) 10)

Blood–brain barrier; Lactate transport; Monocarboxylate anion carrier; Rat brain (LaManna, J.C. (614) 164)

Transsynaptic
Neuropeptide; Non-cholinergic; Tyrosine hydroxylase; Secretin; Superior cervical ganglion; Vasoactive intestinal peptide (McKeon, T.W. (607) 345)

Transthyretin
Carboxypeptidase E/H; Peptidylglycine α-amidating monooxygenase; Furin; Ependyma; Choroid plexus; Chromogranin (Gee, P. (617) 238)

Transynaptic induction
Immediate early gene; Sciatic nerve; NMDA antagonist (Cameron, A.A. (620) 64)

Trauma
Magnesium; Nuclear magnetic resonance (Emerson, C.S. (608) 95)

Traumatic brain injury
Long-term memory; Recent memory; Post-traumatic amnesia; Anterograde amnesia; Retrograde amnesia (Gorman, L.K. (614) 29)

Opioid; Scopolamine; Morphine; Fluid percussion (Lyeth, B.G. (617) 69)

Cerebral concussion; Calcium; ^{45}Ca; Contusion (Fineman, I. (624) 94)

Tremor
Magnetoencephalography; μ Rhythm; Suppression; Parkinson's disease; Somatomotor cortex; Evoked response; Human (Mäkelä, J.P. (617) 189)

Triazolam
c-*fos*; Raphe nucleus; Suprachiasmatic nucleus; Superior colliculus; Edinger-Westphal nucleus; Dorsal tegmental nucleus; Serotonin (Cutrera, R.A. (602) 14)

Tricyclic antidepressant
Morphine; Medullary dorsal horn; 5-Hydroxyindole; Tianeptine; Voltammetry (Puig, S. (600) 219)

Desipramine; Norepinephrine transporter mRNA; Locus ceruleus; Transporter (Szot, P. (618) 308)

Thyroid hormone; Thyroxine; Triiodothyronine; Hypo- and hyperthyroidism; Desmethylimipramine; Norepinephrine; Amine uptake (Gordon, J.T. (626) 175)

Trigeminal
Morphine; Dorsal horn; Thermoreception; Marginal zone; Antinociception (Mokha, S.S. (602) 205)

Somatosensory; Sensorimotor; Parietal ablation; Temperature; Discrimination; Neospinothalamic (Porter, L.H. (621) 319)

Horseradish peroxidase; Intracellular staining; Primary afferent; Motor control (Donga, R. (626) 347)

Trigeminal ganglia
Sumatriptan; Migraine; Neurogenic inflammation; Tachykinin; Serotonin; CP-122,288; CP-122,638 (Lee, W.S. (626) 303)

Trigeminal ganglion
Calretinin; Carbonic anhydrase; Tachykinin; Dorsal root ganglion; Rat (Ichikawa, H. (617) 96)

Neuropeptide Y; Axotomy; Mental nerve; Mylohyoid nerve (Wakisaka, S. (620) 347)

mGluR1; Somatic sensation; Monoclonal antibody; Immunoblotting; Immunohistochemistry (Araki, T. (627) 341)

Calretinin; Tachykinin; Nasal mucosa; Cornea; Rat (Ichikawa, H. (629) 231)

Calcitonin gene-related peptide; Substance P; Pericellular arborization; Electron microscopy; Monkey (Prins, M. (629) 315)

Trigeminal motor nucleus
Brainstem; Interneuron; Facial nucleus; Hypoglossal nucleus; Fluorescent tracer; Rat (Li, Y.-Q. (611) 160)

Horseradish peroxidase; Sexual dimorphism; Masseter muscle (Maeda, N. (627) 177)

Trigeminal nerve
Primary neuron; Spinal trigeminal nucleus; Subnucleus oralis; Ultrastrucure (Bae, Y.C. (606) 175)

Negative mucosal potential; Chemoreception; Pain measurement; Peripheral nociceptive response; Blood flow; Autonomic reflex (Thürauf, N. (629) 293)

Trigeminal nucleus
Periaqueductal gray; Dorsal raphe nucleus; Serotonin; Orbital cortex; Nucleus accumbens; Amygdala; Rat (Li, Y.-Q. (623) 267)

Funnel web spider; *Hadronyche versutus*; Versutoxin; Neurotoxin; Synaptic potential; Locus coeruleus; Laterodorsal tegmental nucleus; Glutamate; γ-Aminobutyric acid (Chieng, B. (626) 136)

Trigeminal nucleus caudalis
Morphine; Dorsal horn; Nociception (Mokha, S.S. (626) 318)

Migraine; C-*Fos*; Superficial dorsal horn; Nucleus of the solitary tract; Nucleus retroambigualis (Kaube, H. (629) 95)

Trigeminal root ganglion
Calcium-gated chloride current; Ca current; Ba current; Cultured cell; Marine catfish (Ogura, T. (621) 10)

Trigeminal sensory complex
Rat; Awake animal; Tooth pulp afferent; Glutamate; NMDA antagonist; Microinfusion (Boucher, Y. (614) 155)

Trihexyphenidyl
REM sleep; Muscarinic M_1 receptor; Biperiden; Scopolamine; Sleep–wake cycle; Cholinergic sleep (Zoltoski, R.K. (608) 186)

Triiodothyronine
Thyroid hormone; Thyroxine; Hypo- and hyperthyroidism; Desmethylimipramine; Tricyclic antidepressant; Norepinephrine; Amine uptake (Gordon, J.T. (626) 175)

Trisomy 16
Down's syndrome; Action potential; Current; Hippocampus; Primary culture; Mouse; Patch-clamp (Galdzicki, Z. (604) 69)

Trk
Motor neuron disease; Alpha motoneuron; Degeneration; Neurotrophin; In situ hybridization (Seeburger, J.L. (621) 111)

TrkB
Brain; Immunohistochemistry; Neurotrophin; Brain derived-neurotrophic factor; Rat (Zhou, X.-F. (622) 63)

Trophic
Axon reaction; Axotomy; Cell body; Dorsal root ganglion; Phosphorylated neurofilament; Ola mice; Wallerian degeneration (Gold, B.G. (626) 23)

Trophic agent
Cytokine; Neurotransmitter expression; Autonomic nervous system (Freidin, M. (615) 135)

Trophic factor
Cell adhesion molecule; Substrate; Neurite outgrowth; Tyrosine hydroxylase; Dopamine; Cerebrospinal fluid (Poltorak, M. (619) 255)

Substance P; Dopamine receptor; Striatum; Excitotoxin; Neuroprotection (Sanberg, P.R. (628) 327)

Trophic factor neuroprotection
Ethanol; Nerve growth factor; Dorsal root ganglion (Heaton, M.B. (620) 78)

Trophic support
Axonal transport; Aging; Neural degeneration; Microtubule; Cytoskeleton (Viancour, T.A. (628) 209)

Trout
Arginine vasotocin and related neuropeptides; Central nervous system; Blood pressure; Heart rate; Vasopressin V_1 receptor (Le Mevel, J.-C. (610) 82)

Trypan blue
Neurotoxicity; Calcium; Fura-2; Ethidium homodimer (Tymianski, M. (607) 319)

Trypsin
NMDA; Hippocampal slice; Epileptiform (Yamada, N. (624) 336)

Tryptophan hydroxylase
Melatonin; Retina; Kainic acid; Serotonin; Amacrine cell; Bipolar cell (Thomas, K.B. (601) 303)

Aromatic L-amino acid decarboxylase; In situ hybridization; Enzyme activity; 5,7-Dihydroxytryptamine; Serotonergic cell body and terminal (Park, D.H. (609) 59)

Tyrosine hydroxylase; mRNA; In situ hybridization; Reserpine; Caudal brainstem; Adrenal gland (Park, D.H. (620) 331)

Tuberal hypothalamus
Prolactin; Preoptic area; Ventromedial hypothalamus; Lateral hypothalamus; Feeding behavior; Bird; *Streptopelia risoria* (Hnasko, R.M. (623) 257)

Tuberoinfundibular dopaminergic neuron
Cocaine; Dopamine synthesis; Median eminence; Prolactin (Baumann, M.H. (608) 175)

NMDA receptor; Estrogen; Prolactin; Median eminence; Sex difference (Wagner, E.J. (611) 139)

Tuberoinfundibular neuron
Electrophysiology; Cholecystokinin; Paraventricular nucleus; Rat (Jin, Y. (617) 151)

Tuberomammillary
Circadian; Histamine; Light; Phase shift; Suprachiasmatic (Cote, N.K. (613) 149)

Tuberomammillary nucleus
Intracranial self-stimulation; Lateral hypothalamus; Ibotenic acid; Lesion (Wagner, U. (613) 269)

Tubocurarine
Enkephalin; Acetylcholine; Nicotinic receptor; Retina; Chick; Release; Atropine (Boelen, M.K. (624) 137)

Tubulin
cAMP-dependent protein kinase; Calcium/calmodulin-dependent protein kinase II; Alzheimer's disease; Tau; Calpain (Litersky, J.M. (604) 32)

Axoplasmic flow; Axonal transport; Vagus nerve; Actin (McLean, W.G. (613) 295)

Hypothyroidism; Cerebellum; Detyrosination; Tubulinyl-tyrosine carboxypeptidase; Molecular layer; Synaptogenesis (Poddar, R. (614) 233)

Ion channel; Receptor-associated protein; Immunohistochemistry (Kirsch, J. (621) 301)

α-Tubulin
β-Actin; Messenger RNA; Ischemia; Bifemelane; Gerbil; In situ hybridization histochemistry (Asanuma, M. (600) 243)

Tubulinyl-tyrosine carboxypeptidase
Hypothyroidism; Cerebellum; Tubulin; Detyrosination; Molecular layer; Synaptogenesis (Poddar, R. (614) 233)

Tumor necrosis factor
Interleukin-1; Nitric oxide synthase; Astrocytoma cell; Guanylate cyclase (Vigne, P. (606) 332)

Interleukin-6; Interleukin-1; Endotoxin; Fever mechanism; Blood–brain barrier (Coceani, F. (612) 165)

Interleukin 1; Interferon; Glia; Oscillations; Forskolin; Fura-2; Calcium (Holliday, J. (621) 233)

Interleukin-1; Interleukin-6; Interleukin-1 receptor antagonist; Endotoxin; Brain; Rat (Gatti, S. (624) 291)

Tumor necrosis factor-α
Mycoplasma; Astrocyte; Dexamethasone; Corticosterone; Multiple sclerosis; AIDS dementia (Brenner, T. (608) 273)

Interleukin-1; Interleukin-6; Corticotropin-releasing hormone; Prostaglandin; Norepinephrine turnover; Hypothalamus (Terao, A. (622) 257)

Tupaia
Rod; Cone; Short-wavelength-sensitive cone; Color vision; Visual pigment antibody; Monoclonal antibody (Petry, H.M. (616) 344)

Turnover
Hippocampus; Immunocitochemical, biogenic amines; Rat (Venero, J.L. (631) 89)

Turnover of neuronal histamine in the hypothalamus
1-Deoxy-D-glucosamine; 1-Deoxy-*N*-acetylglucosamine; α-Fluoromethylhistidine; Chlorpheniramine; Feeding suppression (Kang, M. (631) 181)

Turtle
Red nucleus; In vitro; Slow EPSP; Excitatory amino acid (Keifer, J. (608) 349)

Retina; Horizontal cell; Network; Dye coupling; Neurobiotin; Voronoi–Delaunay tiling; Mosaic (Ammermüller, J. (616) 351)

Tetraethylammonium; 4-Aminopyridine; Potassium channel; Cone photoreceptor; Horizontal cell; Retina (Perlman, I. (619) 89)

Turtle brain
Metabolism; Anoxia; Ischemia; Excitotoxicity; Microdialysis (Pérez-Pinzón, M.A. (602) 228)

Twitcher mouse
Microglia/macrophage; Proliferation; Immunocytochemistry; Autoradiography; Demyelination (Ohno, M. (602) 268)

Type I hair cell
Vestibular system; Semicircular canal; γ-Aminobutyric acid$_B$; Ionic current; Cytosolic calcium; Guinea-pig (Lapeyre, P.N.M. (609) 269)

Tyr-aminopeptidase
Aminopeptidase M; Bestatin; Puromycin; Estrous cycle; Rat brain (De Gandarias, J.M. (620) 146)

Tyr-MIF-1
Anti-opiate peptide; Opiate dependence; Opiate abstinence; Morphine; Rat (Malin, D.R. (610) 169)

Tyrosine hydroxylase
Calcium binding protein; Frontal cortex; Substantia nigra; Primate (Gaspar, P. (603) 166)

Parkinson's disease; Quantitative immunohistochemistry; In situ hybridization (Kastner, A. (606) 341)

Neuropeptide; Non-cholinergic; Transsynaptic; Secretin; Superior cervical ganglion; Vasoactive intestinal peptide (McKeon, T.W. (607) 345)

Cocaine; Catecholamine; Brain; Prenatal; Fetal; Rat (Meyer, J.S. (608) 129)

c-Fos; Phenylethanolamine-*N*-methyltransferase; Serotonin; Nucleus tractus solitarii; Ventrolateral medulla (Dun, N.J. (608) 223)

Bradykinin; Dopamine β-hydroxylase; Calcium; mRNA; Catecholamine (Gebreyesus, K. (608) 345)

Retrograde tracer; Immunocytochemistry; Nucleus tractus solitarii; Ventrolateral medulla; Locus coeruleus (Petrov, T. (609) 81)

Basic fibroblast growth factor; Chromaffin cell; Proenkephalin (Puchacz, E. (610) 39)

Catecholaminergic area; Long-term hypoxia; Norepinephrine turnover rate; Rat brainstem (Schmitt, P. (611) 53)

Catecholaminergic area; Dihydralazine; Norepinephrine turnover rate; Rat brainstem (Schmitt, P. (611) 61)

Carotid sinus nerve; Neuropeptide; Petrosal ganglion; Fluoro-gold; Rat (Ichikawa, H. (611) 67)

Hippocampus; Norepinephrine; DSP-4; Biochemical compensation; Regeneration (Robinson, G.B. (614) 21)

Locus ceruleus; Tissue culture; Norepinephrine; Insulin; Survival; Differentiation (Sklair-Tavron, L. (614) 257)

Antinociception; Dopamine β-hydroxylase; Fluoro-Gold; Norepinephrine; *Phaseolus vulgaris*-leucoagglutinin; Pons; Retrograde tracer (Clark, F.M. (616) 200)

γ-Aminobutyric acid; Substantia nigra; Dopamine; Double labeling; Immunohistochemistry; Nigrotectal neuron; Glutamic acid decarboxylase (Mendez, I. (617) 274)

Cell adhesion molecule; Substrate; Neurite outgrowth; Dopamine; Cerebrospinal fluid; Trophic factor (Poltorak, M. (619) 255)

Tryptophan hydroxylase; mRNA; In situ hybridization; Reserpine; Caudal brainstem; Adrenal gland (Park, D.H. (620) 331)

Cold stress; Sympathetic nerve; Neuropeptide Y; Aging; Superior cervical ganglion (Andrews, T. (624) 69)

N-18 Cell; DNA methylation; Choline acetyltransferase; Neuronal differentiation; Retinoic acid; Cyclic AMP (Okuse, K. (626) 225)

Tyrosine kinase
Herbimycin A; Lavendustin A; Long-term potentiation; Dentate gyrus; Anesthetized rat (Abe, K. (621) 167)

U

U-50,488H
Tolerance-dependence; Dynorphin (1–13); Brain region; Pituitary; Spinal cord; Heart; Adrenal; Kidney (Bhargava, H.N. (600) 151)

Intracerebroventricular; Intrathecal; μ-Opiod; δ-Opiod; κ-Opioid; DAMGO; DPDPE; Synergy (Miaskowski, C. (608) 87)

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Nor-binaltorphimine; Memory; Ischemia; Body temperature; Mouse (Itoh, J. (619) 223)

Tolerance; Nitric oxide (Thorat, S.N. (621) 171)

Thyrotropin-releasing hormone; κ-Opiate agonist; Analgesia; Hypothermia; Mouse (Bhargava, H.N. (625) 120)

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U-69593
Opioid receptor; Morphine; DPDPE; Serotonin; Hippocampus; In vivo microdialysis; Rat (Yoshioka, M. (613) 74)

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U-54494A
Anticonvulsant; U-83892E; U-83894A; Sodium channel; Neuroblastoma cell; Patch clamp (Zhu, Y. (606) 50)

U-83894A
Anticonvulsant; U-54494A; U-83892E; Sodium channel; Neuroblastoma cell; Patch clamp (Zhu, Y. (606) 50)

U-83892E
Anticonvulsant; U-54494A; U-83894A; Sodium channel; Neuroblastoma cell; Patch clamp (Zhu, Y. (606) 50)

Ubiquitin
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Neuron-specific β-tubulin isotype; Monoclonal antibody; Immunohistochemistry; Chicken; C cell; Nerve fiber (Kameda, Y. (628) 121)

Ultrastrucure
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Olfactory bulb; Ensheathing cell; Cell culture; Neonatal rat; Immunohistochemistry (Chuah, M.I. (601) 213)

Opioid peptide; Exocytosis; Mesolimbic; Nigrostriatal; κ Opioid receptor; Dense core vesicle (Pickel, V.M. (602) 275)

Neuropeptide Y; Immunocytochemistry; Spinal cord; Cat; Axo-axonic synapse (Doyle, C.A. (603) 157)

Epilepsy; Kindling; Astrocyte; Synaptic morphology; Hippocampal subfield CA1; Spine synapse (Hawrylak, N. (603) 309)

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Microdialysis; Glucose; Cerebral blood flow; Hydrogen clearance; Rat brain; Tail pinch; Restraint stress (Fellows, L.K. (604) 225)

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Urinastatin-like substance
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***trans*-2-en-Valproate**
Valproate; Diffusion; Antiepileptic drug; Cerebral cortex (Lücke, A. (631) 187)

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Ventrolateral medulla; Electron microscopy; Arterial blood pressure; Hemorrhage (Gómez, R.E. (604) 90)

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Vasopressin V_3 agonist
Arginine vasopressin; Vasopressin V_1 agonist; Vasopressin V_1 antagonist; Vasopressin V_2 agonist; Vasopressin V_2 antagonist; Central blood pressure regulation (Noszczyk, B. (610) 115)

Vasopressin V_1 antagonist
Arginine vasopressin; Vasopressin V_1 agonist; Vasopressin V_2 agonist; Vasopressin V_2 antagonist; Vasopressin V_3 agonist; Central blood pressure regulation (Noszczyk, B. (610) 115)

Vasopressin V_2 antagonist
Arginine vasopressin; Vasopressin V_1 agonist; Vasopressin V_1 antagonist; Vasopressin V_2 agonist; Vasopressin V_3 agonist; Central blood pressure regulation (Noszczyk, B. (610) 115)

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Autonomic nervous system; Dorsal vagal nucleus; Insulin regulation; Parasympathetic nervous system; Pseudorabies virus; Vagus nerve; Viral transneuronal labeling (Loewy, A.D. (620) 323)

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Linear AVP antagonist; Vasopressin V_{1a} receptor; Arginine vasopressin; Hypothalamus; Substantia nigra; Cortex layer IV (Johnson, A.E. (622) 9)

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A1 catecholamine-synthesizing neuron; Abdominal vagus; Vasopressin; Electrophysiology (Gieroba, Z.J. (616) 181)

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Behavior; Running activity; GABA; Excitatory amino acid; Kainate (Narita, K. (603) 243)

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Neuropeptide Y; Corticotropin-releasing factor; Feeding; Paraventricular nucleus; Dexamethasone; α-Helical CRF_{9-41}; Rat (Heinrichs, S.C. (611) 18)

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Adrenal medulla; Enkephalin; Proenkephalin; Nicotine (McMillian, M.K. (71) 75)

Cardiovascular
Development; Respiration; Apneusis; Rhythmic activity; Excitatory amino acid; Nucleus tractus solitarii (Salès, N. (75) 113)

Cat
Visual cortex; Extrastriate cortex; Subplate; Somatostatin; GABAergic subpopulation; Postnatal development (Hogan, D. (71) 221)

NMDA receptor; Excitatory postsynaptic potential; Postnatal development; Plasticity; Visual cortex; Slice preparation (Iwakiri, M. (74) 89)

Catalepsy
Neonatal lesion; Hippocampus; Ibotenic acid; Stereotypy; Apomorphine; Haloperidol; Dopamine (Lipska, B.K. (75) 213)

Catecholamine
Retinal development; Neurogenesis; Dopamine (Gardino, P.F. (72) 226)

Dissociated cell culture; Human fetal brainstem; Indolamine (Levallois, C. (75) 141)

Caudate nucleus
Prenatal brain lesion; Quantitative morphometrics; Brain development (Loopuijt, L.D. (71) 59)

Cell culture
Identified neuron; Rat hippocampus; Electrophysiology; Development (Yang, J. (71) 19)

Ethanol; Cerebellum; Macroneuron; Neurite; Immunostaining; Glial cell; Morphometric measurement (Zou, J.-y. (72) 75)

In situ hybridization; Choline acetyltransferase; Muscarinic m_1 and m_2 receptor; Nerve growth factor; Messenger RNA (Ebstein, R.P. (73) 165)

Whole-cell patch clamp; Synaptogenesis; Chick embryonic neuron; GABA; Glutamate (Tokioka, R. (74) 146)

Cocaine; Dopamine; Brain; Mesencephalon (Brouard, A. (75) 13)

Cell death
Meriones unguiculatus; Sexually dimorphic area pars compacta; Sexual differentiation (Ulibarri, C.M. (74) 14)

Kitten; Retina; Retinal ganglion cell; Microglia; Displaced amacrine (Pearson, H.E. (76) 249)

Opioid; Morphine; Glial development; Gliogenesis; Neurotoxicology (Gurwell, J.A. (76) 293)

Cell differentiation
Spinal cord; Neuronal development; Neuronal repair; Plasma membrane; Substrate; NG108–15 cell (Ethell, D.W. (72) 1)

Endogenous opiate; Neuroblast; Cell division; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Nervous system development; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Cell division
Endogenous opiate; Neuroblast; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Nervous system development; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Cell isolation
Glial precursor cell; Oligodendrocyte; Astrocyte; Development; Immunocytochemistry (Norton, W.T. (72) 193)

Cell migration
Sexual differentiation; Gonadal steroid; Hypothalamus; Preoptic area (Tobet, S.A. (72) 167)

Cell motility
Gelsolin; Actin; Growth cone; Ca^{2+}; PC12 cell; Neuron (Tanaka, J. (76) 268)

Cell number
Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory neural development; Olfactory receptor neuron; Basal cell; Supporting cell; Thyroid and neural development; Critical period; Compensatory neural growth; Morphometry (Paternostro, M.A. (76) 151)

Cell specificity
Bromodeoxyuridine; Chicken retina; Complement-mediated cytolysis; Monoclonal antibody; Morphogenetic gradient; Müller glia; Neural development (Schlosshauer, B. (76) 13)

Central nervous system
Enkephalin; Phenotype; *N*-Methyl-D-aspartate; Development (Summers, R.W. (73) 185)

Nitric oxide; Nitric oxide synthase; Cyclic guanosine monophosphate; Citrulline; Development (Matsumoto, T. (73) 199)

Neovascularization; Blood–brain barrier; Endothelial cell; Ultrastructure (Bauer, H.C. (75) 269)

Central nervous system development
Cerebral cortex; Hypothalamus; Phenotype determination; Sexual differentiation; Gonadal steroid (O'Keefe, J.A. (75) 105)

Central nervous system endothelium
Blood–brain barrier; Horseradish peroxidase; 6-Aminonicotinamide; Astrocyte (Krum, J.M. (74) 41)

Central pattern generator
Piglet; Phrenic; Recurrent laryngeal; Hypoxia (Steele, A.M. (74) 57)

Cerebellar cortex
Endogenous opiate; Neuroblast; Cell division; Opioid peptide; Neuronal plasticity; Nervous system development; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Cerebellar development
Climbing fiber synaptogenesis; Parvalbumin immunocytochemistry; Ultrastructure; Newborn rat (Chedotal, A. (76) 207)

Cerebellar granule cell
$GABA_A$ receptor; Polymerase chain reaction; Development; Differentiation (Zheng, T. (75) 91)

Cerebellum
Inositol 1,4,5-trisphosphate; Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate 3-kinase; Immunohistochemistry; Rat; Development; Ultrastructure (Yamada, M. (71) 137)

Ethanol; Cell culture; Macroneuron; Neurite; Immunostaining; Glial cell; Morphometric measurement (Zou, J.-y. (72) 75)

Nerve growth factor; Low-affinity nerve growth factor receptor; Development; Thyroid hormone (Figueiredo, B.C. (72) 237)

Development; Purkinje cell (Grunwald, G.B. (73) 146)

Granule cell; Allocation; Retrovirus (Miyake, T. (74) 245)

Cannabinoid; Neonate; Ontogeny; Brainstem; Forebrain (McLaughlin, C.R. (76) 75)

Cerebellum mRNA
Ornithine decarboxylase; Neocortex; Rat (Zawia, N.H. (71) 53)

Cerebral
Cocaine; Fetus; Prenatal; Metabolism; Glucose (Burchfield, D.J. (73) 283)

Cerebral blood flow
Iodoantipyrine; Autoradiography; Hypoxia; Postnatal development (Bilger, A. (76) 197)

Cerebral cortex
Estrogen; Sensitive period; Ovariectomy; Sex difference (Mack, C.M. (71) 115)

Testosterone; Estrogen; GAP-43; Preoptic area; Hypothalamus (Shughrue, P.J. (73) 123)

Central nervous system development; Hypothalamus; Phenotype determination; Sexual differentiation; Gonadal steroid (O'Keefe, J.A. (75) 105)

Perineuronal; Iron histochemistry; Myelin (LeVine, S.M. (75) 279)

Acetylcholinesterase histochemistry; Developmentally transient; Pyramidal neuron; Rat brain (Geula, C. (76) 23)

Cerebral hemisphere development
Chondroitin sulfate proteoglycans; Extracellular matrix; Telencephalon; Chick embryo; Neuronal migration; Neuronal culture (Hennig, A.K. (73) 261)

Cervical
Propriospinal; Spinal cord; Descending control; Lumbosacral; Development; Opossum; Retrograde tracing (Cassidy, G. (72) 291)

c-fos
Brain development; Brain injury (Herrera, D.G. (76) 79)

Suckling; Lactation (Wintrip, N. (76) 283)

CGRP immunohistochemistry
Developing cerebellum; Mossy fiber; Climbing fiber (Yamano, M. (72) 107)

Chick
Insulin receptor; Retina; Amacrine cell; Insulin; Immunohistochemistry; Development (Hyndman, A.G. (75) 289)

Chick chorioallantoic membrane
Chondroitin sulfate proteoglycan; Superior colliculus; Retinal ganglion cell; Mouse; Explantation (Huxlin, K.R. (74) 207)

Chick embryo
Chondroitin sulfate proteoglycans; Extracellular matrix; Telencephalon; Cerebral hemisphere development; Neuronal migration; Neuronal culture (Hennig, A.K. (73) 261)

Dorsal root ganglion; Development; Monoclonal antibody; Neurotrophic factor (Scott, S.A. (75) 175)

Ethanol; Norve growth factor; In ovo; Intracerebral; Cholinergic neuron; Choline acetyltransferase; Neuronotropic (Rahman, H. (76) 256)

Dorsal root ganglion; Tissue culture; Immunohistochemistry; Calretinin; Gene expression (Király, E. (76) 260)

Chick embryonic neuron
Whole-cell patch clamp; Synaptogenesis; GABA; Glutamate; Cell culture (Tokioka, R. (74) 146)

Chicken retina
Bromodeoxyuridine; Cell specificity; Complement-mediated cytolysis; Monoclonal antibody; Morphogenetic gradient; Müller glia; Neural development (Schlosshauer, B. (76) 13)

Chloride channel
Strychnine; γ-Aminobutyric acid; Picrotoxin; Bicuculline (Siebler, M. (73) 289)

***m*-Chlorophenylpiperazine**
Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin; Serotonin receptor; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

Chol-1 ganglioside
Mouse spinal cord neuron in vitro; Synaptogenesis (Borroni, E. (71) 247)

Choline acetyltransferase
In situ hybridization; Muscarinic m_1 and m_2 receptor; Nerve growth factor; Messenger RNA; Cell culture (Ebstein, R.P. (73) 165)

Acetylcholinesterase; MK-801; AMPA; CNQX; Development; Aging; Human brain (Court, J.A. (74) 73)

Acetylcholine; Acetylcholinesterase; Methadone; Striatum (Robinson, S.E. (76) 239)

Chick embryo; Ethanol; Norve growth factor; In ovo; Intracerebral; Cholinergic neuron; Neuronotropic (Rahman, H. (76) 256)

Cholinergic
Basal forebrain; GABAergic; Nerve growth factor; c-Fos; MAP kinase (Downen, M. (74) 1)

Cholinergic neuron
Chick embryo; Ethanol; Norve growth factor; In ovo; Intracerebral; Choline acetyltransferase; Neuronotropic (Rahman, H. (76) 256)

Chondroitin sulfate proteoglycans
Extracellular matrix; Telencephalon; Chick embryo; Cerebral hemisphere development; Neuronal migration; Neuronal culture (Hennig, A.K. (73) 261)

Superior colliculus; Retinal ganglion cell; Mouse; Explantation; Chick chorioallantoic membrane (Huxlin, K.R. (74) 207)

Chronic treatment
NMDA antagonist; Development; Body weight; Brain weight; Neurochemistry; Spontaneous motility (Facchinetti, F. (74) 219)

Ciliary neurotrophic factor
Astrocyte progenitor; Epidermal growth factor; Leukemia inhibitory factor (Yoshida, T. (76) 147)

Cingulate cortex
Calcium binding protein; Striate cortex; Extrastriate cortex; Association cortex (Hogan, D. (74) 177)

Circadian rhythm
Suprachiasmatic nucleus; Retinohypothalamic tract; Lateral hypothalamus; Retrochiasmatic area; Synaptogenesis; Synapsin (Speh, J.C. (76) 171)

Circadian timing system
Melatonin; Suprachiasmatic nucleus; Pars tuberalis; Pineal (Duncan, M.J. (73) 205)

Circumferential axon
Quail-chick chimera; Rostrocaudal polarity; Plasticity; Mesencephalon rotation (Matsuno, T. (75) 39)

Citrulline
Nitric oxide; Nitric oxide synthase; Central nervous system; Cyclic guanosine monophosphate; Development (Matsumoto, T. (73) 199)

Clenbuterol
β-Adrenoceptor; Noradrenaline; 3-Methoxy-4-hydroxyphenylglycol; Monoamine metabolism; Postnatal brain development (Erdtsieck-Ernste, E.B.H.W. (71) 27)

Climbing fiber
CGRP immunohistochemistry; Developing cerebellum; Mossy fiber (Yamano, M. (72) 107)

Climbing fiber synaptogenesis
Cerebellar development; Parvalbumin immunocytochemistry; Ultrastructure; Newborn rat (Chedotal, A. (76) 207)

CNQX
Choline acetyltransferase; Acetylcholinesterase; MK-801; AMPA; Development; Aging; Human brain (Court, J.A. (74) 73)

Cocaine
Development; Norepinephrine; Dopamine; Sexual behavior; Open field activity (Vathy, I. (73) 115)

Fetus; Prenatal; Metabolism; Glucose; Cerebral (Burchfield, D.J. (73) 283)

Striatum; Development; Serotonin; Dopamine; Striatal patch; Rat (Snyder-Keller, A.M. (74) 261)

Dopamine; Cell culture; Brain; Mesencephalon (Brouard, A. (75) 13)

Sexual differentiation; Sexually dimorphic nucleus; Hypothalamus; Rat; Perinatal (Maecker, H.L. (76) 288)

Cochlea
HBL 14 lectin; Hair cell; Supporting cell; Development; Rat (Remezal, M. (73) 1)

GABA; Olivocochlear efferent innervation; Rat (Merchán-Pérez, A. (76) 33)

Commissure
Cortex; Axon guidance; Fluorescent tracer; Carbocyanine; Axon growth (Pires-Neto, M.A. (72) 59)

Compensatory neural growth
Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory neural development; Olfactory receptor neuron; Basal cell; Supporting cell; Thyroid and neural development; Critical period; Morphometry; Cell number (Paternostro, M.A. (76) 151)

Complement-mediated cytolysis
Bromodeoxyuridine; Cell specificity; Chicken retina; Monoclonal antibody; Morphogenetic gradient; Müller glia; Neural development (Schlosshauer, B. (76) 13)

Conditioned medium
Substance P; Preprotachykinin; Superior cervical ganglion; Neurotransmitter phenotype; Tissue culture; Gene expression; Glia (Lentz, S.I. (73) 35)

Confocal laser scanning
GAP-43; Motor endplate; Immunohistochemistry; Synaptophysin; Autonomic vessel terminal; Calcitonin gene-related peptide; Substance P (Li, J.-Y. (74) 269)

Convulsant
Neuronal primary culture; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric $acid_A$ receptor; Picrotoxinin binding site; Cyclodiene; Hexachlorocyclohexane (Pomés, A. (73) 85)

Corpus callosum
Mouse embryo; Fetal surgery; Laser; Arhinencephaly; Olfactory bulb; Anterior commissure; Kallmann's syndrome (Naruse, I. (71) 69)

Cortex
Glutamate release; Synaptosome; Hippocampus; Postnatal development (Collard, K.J. (71) 37)

Axon guidance; Fluorescent tracer; Carbocyanine; Axon growth; Commissure (Pires-Neto, M.A. (72) 59)

Development; Afterhyperpolarization; Norepinephrine; Repetitive firing; Modulation (Lorenzon, N.M. (73) 213)

Development; Keratan sulfate; Proteoglycan; Astrocyte; Thalamus; Axonal growth (Geisert Jr., E.E. (75) 163)

Cortical plasticity
Astrocyte; Oligodendrocyte; Development; Striate cortex; Glial fibrillary acidic protein; Immunocytochemistry (Dyck, R.H. (72) 181)

Corticogenesis
Radial glial cell; Glial fascicle; Neuronal–glial unit; Mammalian evolution (Gressens, P. (76) 272)

Corticotectal development
Axon specification; Visual development; Visuotopy; Superior colliculus; Topographic specificity; Laminar specificity (Bruce, L.L. (73) 47)

Corticotropin releasing factor
Glucocorticoid; Stress; Neonatal; Rat; Development; Hypothalamus (Yi, S.-J. (73) 253)

Cranial ganglion
Development; In situ hybridization; mRNA; Neurotrophin; Sensory neuron; Tyrosine kinase receptor (Williams, R. (75) 235)

Critical period
Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory neural development; Olfactory receptor neuron; Basal cell; Supporting cell; Thyroid and neural development; Compensatory neural growth; Morphometry; Cell number (Paternostro, M.A. (76) 151)

Culture
Microglia; Plasminogen; Dopaminergic neuron; GABA neuron; Neurotrophic effect (Nagata, K. (75) 31)

Cyclic adenosine monophosphate
Schwann cell; Sciatic nerve; Glia; Estradiol; Steroid hormone; Proliferation; Receptor (Jung-Testas, I. (72) 282)

Cyclic guanosine monophosphate
Nitric oxide; Nitric oxide synthase; Central nervous system; Citrulline; Development (Matsumoto, T. (73) 199)

2′,3′-Cyclic nucleotide-3′-phosphohydrolase
Calcium-activated neutral proteinase; Myelin; Cytosol; Membrane-bound; Subcellular fraction (Chakrabarti, A.K. (71) 107)

Cyclodiene
Neuronal primary culture; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric acid$_A$ receptor; Picrotoxinin binding site; Convulsant; Hexachlorocyclohexane (Pomés, A. (73) 85)

Cytosol
Calcium-activated neutral proteinase; Myelin; Membrane-bound; 2′,3′-Cyclic nucleotide-3′-phosphohydrolase; Subcellular fraction (Chakrabarti, A.K. (71) 107)

D

Dendritic extent
Spinal nucleus of the bulbocavernosus; Horseradish peroxidase; Dendrodendritic interaction; Arbor area; Somal size (Goldstein, L.A. (73) 151)

Dendrodendritic interaction
Spinal nucleus of the bulbocavernosus; Horseradish peroxidase; Dendritic extent; Arbor area; Somal size (Goldstein, L.A. (73) 151)

2-Deoxyglucose
Bilirubin; Kernicterus; Postnatal development (Roger, C. (76) 115)

Descending control
Propriospinal; Spinal cord; Cervical; Lumbosacral; Development; Opossum; Retrograde tracing (Cassidy, G. (72) 291)

Developing cerebellum
CGRP immunohistochemistry; Mossy fiber; Climbing fiber (Yamano, M. (72) 107)

Developing olfactory epithelium
Bromodeoxyuridine; Keratin; Basal cell proper; Globose basal cell (Suzuki, Y. (73) 107)

Developing rat
Amyloid precursor protein; β/A4 protein; Synaptophysin; Myelin basic protein; Immunohistochemistry; Immunoblotting (Ohta, M. (75) 151)

Developing rat striatum
Flow cytometry; Membrane potential; GABA-containing neuron; GABA$_A$-mediated response (Fiszman, M.L. (73) 243)

Development
Identified neuron; Rat hippocampus; Cell culture; Electrophysiology (Yang, J. (71) 19)

Synaptic plasticity; Ontogenesis; Long-term potentiation; Organotypic culture; Hippocampus; Rat (Muller, D. (71) 93)

Vasopressin; Hippocampus; cAMP; Vasopressin V_2 receptor (Brinton, R.D. (71) 101)

Neural cell adhesion molecule; Trigeminal ganglion; Axon outgrowth; Vibrissa; Placode (Scarisbrick, I.A. (71) 121)

Inositol 1,4,5-trisphosphate; Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate 3-kinase; Immunohistochemistry; Rat; Cerebellum; Ultrastructure (Yamada, M. (71) 137)

Transplantation; Visual cortex; Lateral geniculate nucleus; Laminar specificity (Kurotani, T. (71) 151)

Frog; Spinal cord; Neuron number (Farel, P.B. (71) 169)

Sensory neuron; Dorsal root ganglion; Carbonic anhydrase; Proprioception; Mammalian (Mayeux, V. (71) 201)

Olfactory marker protein; Luteinizing hormone-releasing hormone; Migration; Olfactory system (Valverde, F. (71) 209)

Gliogenesis; Radial glia; GFAP; Glutamine synthetase; Immunohistochemistry (Akimoto, J. (72) 9)

Myelin; Myelin basic protein; Opossum; Spinal cord (Ghooray, G.T. (72) 67)

Astrocyte; Glial fibrillary acidic protein; Alcohol; Brain growth spurt; Astrogliosis; Immunocytochemistry (Goodlett, C.R. (72) 85)

Tyrosine hydroxylase; Human hypothalamus; Paraventricular nucleus; Supraoptic nucleus; Vasopressin; Oxytocin (Panayotacopoulou, M.T. (72) 145)

Astrocyte; Oligodendrocyte; Striate cortex; Cortical plasticity; Glial fibrillary acidic protein; Immunocytochemistry (Dyck, R.H. (72) 181)

Glial precursor cell; Oligodendrocyte; Astrocyte; Cell isolation; Immunocytochemistry (Norton, W.T. (72) 193)

Striatum; Synaptic vesicle protein; Immunocytochemistry; In situ hybridization; Rat (Ovtscharoff, W. (72) 219)

Nerve growth factor; Low-affinity nerve growth factor receptor; Cerebellum; Thyroid hormone (Figueiredo, B.C. (72) 237)

Embryonic; Glossopharyngeal nerve; Induction; Neurotrophic; Stem cell; Taste (Oakley, B. (72) 259)

Propriospinal; Spinal cord; Descending control; Cervical; Lumbosacral; Opossum; Retrograde tracing (Cassidy, G. (72) 291)

Superior colliculus; Rat; Spontaneous activity; Evoked response (Molotchnikoff, S. (72) 300)

Stimulant; Glucose metabolism; Long-term effect (Dow-Edwards, D.L. (72) 309)

Carbonic anhydrase deficiency; Mouse; Flurothyl; Seizure (Velíšek, L. (72) 321)

Methamphetamine; Tyrosine hydroxylase; Glial fibrillary acidic protein; Neurotoxicity (Pu, C. (72) 325)

HBL 14 lectin; Cochlea; Hair cell; Supporting cell; Rat (Remezal, M. (73) 1)

Olfactory epithelium; Olfactory receptor; Transduction; RT-PCR (Margalit, T. (73) 7)

Phencyclidine; Gestational exposure; Dopamine; Release; NMDA receptor complex (Ali, S.F. (73) 25)

Cocaine; Norepinephrine; Dopamine; Sexual behavior; Open field activity (Vathy, I. (73) 115)

Neural cell adhesion molecule; Polysialic acid; Spinal cord; Ascending pathway; Sensory system (Seki, T. (73) 141)

Cerebellum; Purkinje cell (Grunwald, G.B. (73) 146)

Dopamine; Hypothalamus; Tyrosine hydroxylase-immunocytochemistry; [^{3}H]Thymidine autoradiography; Rat (Borisova, N.A. (73) 173)

Enkephalin; Phenotype; *N*-Methyl-D-aspartate; Central nervous system (Summers, R.W. (73) 185)

Nitric oxide; Nitric oxide synthase; Central nervous system; Cyclic guanosine monophosphate; Citrulline (Matsumoto, T. (73) 199)

Cortex; Afterhyperpolarization; Norepinephrine; Repetitive firing; Modulation (Lorenzon, N.M. (73) 213)

Corticotropin releasing factor; Glucocorticoid; Stress; Neonatal; Rat; Hypothalamus (Yi, S.-J. (73) 253)

Medial preoptic area; Opioid peptide; Enkephalin; Endorphin (Ge, F. (73) 273)

Choline acetyltransferase; Acetylcholinesterase; MK-801; AMPA; CNQX; Aging; Human brain (Court, J.A. (74) 73)

Oculomotor system; Lamprey; Migration; Motoneuron; Perikaryal translocation (Fritzsch, B. (74) 122)

Hippocampus; Polyamine; Gene regulation; Seizure (Najm, I. (74) 193)

Aromatase; Brain; Marsupial; Opossum (Fadem, B.H. (74) 199)

NMDA antagonist; Chronic treatment; Body weight; Brain weight; Neurochemistry; Spontaneous motility (Facchinetti, F. (74) 219)

Olfactory system; Synaptic vesicle; Rat; Synaptophysin; Synaptoporin; Hybridization histochemistry; Immunocytochemistry (Bergmann, M. (74) 235)

Immunohistochemistry; Tyrosine hydroxylase; Rat retina (Wu, D.K. (74) 253)

Cocaine; Striatum; Serotonin; Dopamine; Striatal patch; Rat (Snyder-Keller, A.M. (74) 261)

Somatosensory system; Dorsal column nucleus; Medial lemniscus; Tract tracing; Anuran (Múñoz, A. (74) 291)

Prodynorphin; Oxytocin; Vasopressin; Hypothalamus; Rat; In situ hybridization (Laurent-Huck, F.M. (75) 45)

$GABA_A$ receptor; Polymerase chain reaction; Differentiation; Cerebellar granule cell (Zheng, T. (75) 91)

Respiration; Apneusis; Rhytmic activity; Excitatory amino acid; Nucleus tractus solitarii; Cardiovascular (Salès, N. (75) 113)

Electron microscopy; Immunocytochemistry; Synapse elimination (Crissman, R.S. (75) 131)

Thy-1; Striatum; Substantia nigra; Dopamine; Parkinson's disease (Shults, C.W. (75) 136)

Keratan sulfate; Proteoglycan; Astrocyte; Cortex; Thalamus; Axonal growth (Geisert Jr., E.E. (75) 163)

Dorsal root ganglion; Chick embryo; Monoclonal antibody; Neurotrophic factor (Scott, S.A. (75) 175)

Maternal regulation; Hypothalamic-pituitary-adrenal axis; Maternal deprivation; Stress; Rat (Suchecki, D. (75) 185)

Cranial ganglion; In situ hybridization; mRNA; Neurotrophin; Sensory neuron; Tyrosine kinase receptor (Williams, R. (75) 235)

Long-term depression; Hippocampus; NMDA; Synaptic plasticity; 2-Amino-5-phosphonopentanoic acid; Long-term potentiation; Ontogeny (Velíšek, L. (75) 253)

Insulin receptor; Retina; Amacrine cell; Insulin; Immunohistochemistry; Chick (Hyndman, A.G. (75) 289)

NADPH-diaphorase; Nitric oxide; Superior colliculus; Lateral geniculate body (González-Hernández, T. (76) 141)

Developmental expression
Pleiotrophin; Heparin-binding growth factor; In situ hybridization (Wanaka, A. (72) 133)

Developmentally transient
Acetylcholinesterase histochemistry; Cerebral cortex; Pyramidal neuron; Rat brain (Geula, C. (76) 23)

Developmental plasticity
Retinotopy; Binocular congruence; Superior colliculus; Retinal lesion (Hanson, E.S. (73) 293)

Developmental regulation
Versican; Proteoglycan; Hyaluronate; Brain development (Crawford, T.J. (76) 264)

Diaphorase
Nitric oxide; Spinal ganglia; Autonomic nervous system; Visceral afferent; Embryogenesis; Rodent (Wetts, R. (76) 278)

Diencephalic differentiation
Ventrobasal complex; Lateral geniculate nucleus; Medial geniculate nucleus; Neuroepithelium; Neuronal differentiation (Schlaggar, B.L. (75) 19)

Differentiation
γ-Aminobutyric acid; Immunocytochemistry; In situ hybridization; Rat; Spinal cord (Behar, T. (72) 203)

Muscarinic receptor; Retinoic acid; Sk-N-SH neuroblastoma (Baumgartner, M.K. (72) 305)

$GABA_A$ receptor; Polymerase chain reaction; Development; Cerebellar granule cell (Zheng, T. (75) 91)

Retina; Teleost; Insulin-like growth factor; Fibroblast growth factor; Proliferation (Mack, A.F. (76) 183)

6-Hydroxydopamine; Tunicamycin; Retina; Photoreceptor; Immunocytochemistry; Goldfish; Retinal regeneration (Braisted, J.E. (76) 221)

Dihydrotestosterone
Bed nucleus of the accessory olfactory tract; Sexual dimorphism; Hormonal mechanism; Estradiol; Vomeronasal system (Collado, P. (75) 285)

Displaced amacrine
Cell death; Kitten; Retina; Retinal ganglion cell; Microglia (Pearson, H.E. (76) 249)

Dissociated cell culture
Human fetal brainstem; Indolamine; Catecholamine (Levallois, C. (75) 141)

Dopamine
Catecholamine; Retinal development; Neurogenesis (Gardino, P.F. (72) 226)

Phencyclidine; Gestational exposure; Release; NMDA receptor complex; Development (Ali, S.F. (73) 25)

Messenger RNA; Substantia nigra; Ventral tegmental area; In situ hybridization (Solberg, Y. (73) 91)

Cocaine; Development; Norepinephrine; Sexual behavior; Open field activity (Vathy, I. (73) 115)

Hypothalamus; Tyrosine hydroxylase-immunocytochemistry; [^{3}H]Thymidine autoradiography; Development; Rat (Borisova, N.A. (73) 173)

Cocaine; Striatum; Development; Serotonin; Striatal patch; Rat (Snyder-Keller, A.M. (74) 261)

Cocaine; Cell culture; Brain; Mesencephalon (Brouard, A. (75) 13)

Fibroblast growth factor-1; Fibroblast growth factor-2; Substantia nigra; Intraocular transplantation; Tyrosine hydroxylase; Falck-Hillarp histochemistry; Iris; Axon growth (Giacobini, M.M.J. (75) 65)

Thy-1; Striatum; Substantia nigra; Development; Parkinson's disease (Shults, C.W. (75) 136)

Neonatal lesion; Hippocampus; Ibotenic acid; Stereotypy; Catalepsy; Apomorphine; Haloperidol (Lipska, B.K. (75) 213)

Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Ontogeny; Supersensitization; Priming (Gong, L. (76) 59)

5-Hydroxytryptamine; Oral activity; Supersensitivity; Ontogeny; 6-Hydroxydopamine (Kostrzewa, R.M. (76) 87)

Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

Dopamine D_1 receptor
Dopamine; 6-Hydroxydopamine; SKF 38393; Ontogeny; Supersensitization; Priming (Gong, L. (76) 59)

Dopamine; 6-Hydroxydopamine; SKF 38393; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

Dopaminergic neuron
Microglia; Plasminogen; GABA neuron; Neurotrophic effect; Culture (Nagata, K. (75) 31)

Dorsal column nucleus
Development; Somatosensory system; Medial lemniscus; Tract tracing; Anuran (Múñoz, A. (74) 291)

Dorsal medulla
Brainstem; Endothelin; Ontogeny; Respiration; Ventral medulla (Srinivasan, M. (74) 117)

Dorsal root ganglion
Sensory neuron; Carbonic anhydrase; Proprioception; Development; Mammalian (Mayeux, V. (71) 201)

Nerve growth factor; Neurotrophin; Nerve growth factor receptor; trk; Neural crest; Quail; Avian (Speight, J.L. (75) 55)

Development; Chick embryo; Monoclonal antibody; Neurotrophic factor (Scott, S.A. (75) 175)

Peptide YY; Neuropeptide Y; Neuropeptide Y_1 receptor; Rat development (Jazin, E.E. (76) 105)

Chick embryo; Tissue culture; Immunohistochemistry; Calretinin; Gene expression (Király, E. (76) 260)

E

Early exposure
GABA uptake; GABA receptor; Benzodiazepine receptor; Hippocampus; Phenobarbital (Pick, C.G. (74) 111)

Electron microscopy
Development; Immunocytochemistry; Synapse elimination (Crissman, R.S. (75) 131)

Electrophysiology
Identified neuron; Rat hippocampus; Cell culture; Development (Yang, J. (71) 19)

Embryo
GABA; Glutamic acid decarboxylase; Immunocytochemistry; Rat; Spinal cord; Gradient (Schaffner, A.E. (72) 265)

Embryogenesis
Hippocampus; PC12 cell; Histochemistry; Alzheimer's disease (Fukuyama, R. (74) 127)

Diaphorase; Nitric oxide; Spinal ganglia; Autonomic nervous system; Visceral afferent; Rodent (Wetts, R. (76) 278)

Embryonic
Development; Glossopharyngeal nerve; Induction; Neurotrophic; Stem cell; Taste (Oakley, B. (72) 259)

Avian; Spinal cord; Protein; Two-dimensional gel electrophoresis; Regeneration (Ethell, D.W. (76) 163)

Embryotoxicity
Caffeine; Theophylline; Theobromine; Brain; Pharmacokinetics; Methylxanthine (Wilkinson, J.M. (75) 193)

Endogenous opiate
Neuroblast; Cell division; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Nervous system development; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Endorphin
Medial preoptic area; Opioid peptide; Development; Enkephalin (Ge, F. (73) 273)

Endothelial cell
Neovascularization; Blood–brain barrier; Central nervous system; Ultrastructure (Bauer, H.C. (75) 269)

Endothelin
Brainstem; Dorsal medulla; Ontogeny; Respiration; Ventral medulla (Srinivasan, M. (74) 117)

Enkephalin
Adrenal medulla; Proenkephalin; Carboxypeptidase E; Nicotine (McMillian, M.K. (71) 75)

Phenotype; *N*-Methyl-D-aspartate; Development; Central nervous system (Summers, R.W. (73) 185)

Medial preoptic area; Opioid peptide; Development; Endorphin (Ge, F. (73) 273)

Epidermal growth factor
Astrocyte progenitor; Ciliary neurotrophic factor; Leukemia inhibitory factor (Yoshida, T. (76) 147)

Epilepsy
Kindling; Seizure (Holmes, G.L. (73) 71)

Epilepsy model
Kindling; Neonatal; Amygdala; Rat; Seizure (Baram, T.Z. (73) 79)

Epileptiform discharge
Tetraethylammonium; Excitatory amino acid antagonist; Bicuculline methiodide; Hippocampal slice; Rat, young and adult (Fueta, Y. (72) 51)

Estradiol
Schwann cell; Sciatic nerve; Glia; Steroid hormone; Cyclic adenosine monophosphate; Proliferation; Receptor (Jung-Testas, I. (72) 282)

Histone H1°; Brain; Neuron; Glia; Terminal differentiation; Arcuate (García-Segura, L.M. (73) 63)

Bed nucleus of the accessory olfactory tract; Sexual dimorphism; Hormonal mechanism; Dihydrotestosterone; Vomeronasal system (Collado, P. (75) 285)

Estrogen
Sensitive period; Ovariectomy; Sex difference; Cerebral cortex (Mack, C.M. (71) 115)

Testosterone; GAP-43; Preoptic area; Hypothalamus; Cerebral cortex (Shughrue, P.J. (73) 123)

Ethanol
Cell culture; Cerebellum; Macroneuron; Neurite; Immunostaining; Glial cell; Morphometric measurement (Zou, J.-y. (72) 75)

Chick embryo; Norve growth factor; In ovo; Intracerebral; Cholinergic neuron; Choline acetyltransferase; Neuronotropic (Rahman, H. (76) 256)

Evoked response
Superior colliculus; Rat; Development; Spontaneous activity (Molotchnikoff, S. (72) 300)

Excitability
Seizure; Hippocampal slice; CA1 region; Immature brain; Rat; Extracellular K^+ concentration; Spreading depression (Kreisman, N.R. (76) 67)

Excitatory amino acid
Excitotoxicity; Kynurenic acid; Neuroprotection (Baran, H. (74) 283)

Development; Respiration; Apneusis; Rhytmic activity; Nucleus tractus solitarii; Cardiovascular (Salès, N. (75) 113)

Excitatory amino acid antagonist
Epileptiform discharge; Tetraethylammonium; Bicuculline methiodide; Hippocampal slice; Rat, young and adult (Fueta, Y. (72) 51)

Excitatory postsynaptic current
Synaptogenesis; Glutamate receptor; GABA receptor; Retina development; Quantal analysis; Inhibitory postsynaptic current (Rörig, B. (74) 98)

Excitatory postsynaptic potential
NMDA receptor; Postnatal development; Plasticity; Visual cortex; Slice preparation; Cat (Iwakiri, M. (74) 89)

Muscarinic receptor; Acetylcholine; CA1; Brain slice/hippocampal slice; Neuromodulation (Milburn, C.M. (74) 133)

Excitotoxic induction
Ornithine decarboxylase; Brain development; Hippocampus; Olfactory cortex; Amygdala (Ciani, E. (71) 258)

Excitotoxicity
Excitatory amino acid; Kynurenic acid; Neuroprotection (Baran, H. (74) 283)

Exocytosis
Neuronal growth; Growth cone; Membrane biogenesis; Membrane insertion; Ultrastructure (Pfenninger, K.H. (71) 181)

Explantation
Chondroitin sulfate proteoglycan; Superior colliculus; Retinal ganglion cell; Mouse; Chick chorioallantoic membrane (Huxlin, K.R. (74) 207)

Expression
Agrin; Rat; Protease; Inhibitor; mRNA; Neuromuscular junction; In situ hybridization (Biroc, S.L. (75) 119)

Extracellular K^+ concentration
Excitability; Seizure; Hippocampal slice; CA1 region; Immature brain; Rat; Spreading depression (Kreisman, N.R. (76) 67)

Extracellular matrix
Chondroitin sulfate proteoglycans; Telencephalon; Chick embryo; Cerebral hemisphere development; Neuronal migration; Neuronal culture (Hennig, A.K. (73) 261)

Extrastriate cortex
Visual cortex; Subplate; Somatostatin; GABAergic subpopulation; Postnatal development; Cat (Hogan, D. (71) 221)

Calcium binding protein; Striate cortex; Cingulate cortex; Association cortex (Hogan, D. (74) 177)

F

Falck-Hillarp histochemistry
Fibroblast growth factor-1; Fibroblast growth factor-2; Substantia nigra; Intraocular transplantation; Dopamine; Tyrosine hydroxylase; Iris; Axon growth (Giacobini, M.M.J. (75) 65)

Fasciculus gracilis
Marsupial; Spinocerebellar; Spino-olivary; Spinoreticular (Qin, Y.Q. (75) 75)

Fetal cerebellar graft
Stereotaxic implantation; Axonal sprouting; Blood–brain barrier; Purkinje cell; Anti-Leu-4 (CD3); Immunohistochemistry (Gerloff, C. (74) 30)

Fetal human astrocyte
Fetal human neuron; Immunoblotting; Midkine; Neurotrophic effect (Satoh, J.-i. (75) 201)

Fetal human neuron
Fetal human astrocyte; Immunoblotting; Midkine; Neurotrophic effect (Satoh, J.-i. (75) 201)

Fetal rat brain
Vitamin K; Warfarin; Neuronal culture; Neuronal survival; Neuron development (Nakajima, M. (73) 17)

Fetal surgery
Mouse embryo; Laser; Arhinencephaly; Corpus callosum; Olfactory bulb; Anterior commissure; Kallmann's syndrome (Naruse, I. (71) 69)

Fetus
Cocaine; Prenatal; Metabolism; Glucose; Cerebral (Burchfield, D.J. (73) 283)

Hypoxia; Carbon monoxide; Ornithine decarboxylase; Newborn (Packianathan, S. (76) 131)

Fibroblast growth factor-1
Fibroblast growth factor-2; Substantia nigra; Intraocular transplantation; Dopamine; Tyrosine hydroxylase; Falck-Hillarp histochemistry; Iris; Axon growth (Giacobini, M.M.J. (75) 65)

Fibroblast growth factor-2
Fibroblast growth factor-1; Substantia nigra; Intraocular transplantation; Dopamine; Tyrosine hydroxylase; Falck-Hillarp histochemistry; Iris; Axon growth (Giacobini, M.M.J. (75) 65)

Retina; Teleost; Insulin-like growth factor; Proliferation; Differentiation (Mack, A.F. (76) 183)

Fibronectin
Radial glia; Plasticity; Bergmann glia; Tyrosine phosphatase; Axonal guidance; Ventricular zone; Neuronal migration (Canoll, P.D. (75) 293)

Flow cytometry
Developing rat striatum; Membrane potential; GABA-containing neuron; $GABA_A$-mediated response (Fiszman, M.L. (73) 243)

Fluo-3AM
Glial differentiation; Murine primary culture; κ Opioid receptor; Opioid peptide; Reactive astrocyte hypertrophy; Fura-2/AM (Stiene-Martin, A. (76) 189)

Fluorescent tracer
Cortex; Axon guidance; Carbocyanine; Axon growth; Commissure (Pires-Neto, M.A. (72) 59)

Flurothyl
Carbonic anhydrase deficiency; Mouse; Seizure; Development (Velíšek, L. (72) 321)

Forebrain
Cannabinoid; Neonate; Ontogeny; Cerebellum; Brainstem (McLaughlin, C.R. (76) 75)

Fos
Hypothalamus; Glutamate; *N*-Methyl-D-aspartate (MacDonald, M.C. (73) 193)

c-Fos
Basal forebrain; Cholinergic; GABAergic; Nerve growth factor; MAP kinase (Downen, M. (74) 1)

Fos-like immunoreactivity
Mouse olfactory bulb; Precocious puberty; Male bedding odor; Peppermint (Schellinck, H.M.I. (74) 138)

Fovea
Arcuate fascicle; Axon; Ganglion cell; Primate; Misdirection (Steineke, T.C. (74) 151)

Frog
Spinal cord; Neuron number; Development (Farel, P.B. (71) 169)

Fura-2/AM
Glial differentiation; Murine primary culture; κ Opioid receptor; Opioid peptide; Reactive astrocyte hypertrophy; Fluo-3AM (Stiene-Martin, A. (76) 189)

G

GABA
Glutamic acid decarboxylase; Immunocytochemistry; Rat; Embryo; Spinal cord; Gradient (Schaffner, A.E. (72) 265)

Whole-cell patch clamp; Synaptogenesis; Chick embryonic neuron; Glutamate; Cell culture (Tokioka, R. (74) 146)

Cochlea; Olivocochlear efferent innervation; Rat (Merchán-Pérez, A. (76) 33)

GABA-containing neuron
Flow cytometry; Developing rat striatum; Membrane potential; $GABA_A$-mediated response (Fiszman, M.L. (73) 243)

GABAergic
Basal forebrain; Cholinergic; Nerve growth factor; c-Fos; MAP kinase (Downen, M. (74) 1)

GABAergic subpopulation
Visual cortex; Extrastriate cortex; Subplate; Somatostatin; Postnatal development; Cat (Hogan, D. (71) 221)

$GABA_A$-mediated response
Flow cytometry; Developing rat striatum; Membrane potential; GABA-containing neuron (Fiszman, M.L. (73) 243)

GABA neuron
Microglia; Plasminogen; Dopaminergic neuron; Neurotrophic effect; Culture (Nagata, K. (75) 31)

GABA receptor
Synaptogenesis; Glutamate receptor; Retina development; Quantal analysis; Inhibitory postsynaptic current; Excitatory postsynaptic current (Rörig, B. (74) 98)

Early exposure; GABA uptake; Benzodiazepine receptor; Hippocampus; Phenobarbital (Pick, C.G. (74) 111)

$GABA_A$ receptor
Polymerase chain reaction; Development; Differentiation; Cerebellar granule cell (Zheng, T. (75) 91)

GABA uptake
Early exposure; GABA receptor; Benzodiazepine receptor; Hippocampus; Phenobarbital (Pick, C.G. (74) 111)

Galanin
Barrel; Trigeminal; Immunocytochemistry; Primary afferent; Vibrissa (White, F.A. (72) 314)

Ganglion cell
Arcuate fascicle; Axon; Primate; Fovea; Misdirection (Steineke, T.C. (74) 151)

Ganglioside
Pyramidal neuron; Neurotoxicity; Glutamate; Trophic factor; Neuroprotection; Hippocampus (Skaper, S.D. (71) 1)

GAP-43
Testosterone; Estrogen; Preoptic area; Hypothalamus; Cerebral cortex (Shughrue, P.J. (73) 123)

Motor endplate; Immunohistochemistry; Confocal laser scanning; Synaptophysin; Autonomic vessel terminal; Calcitonin gene-related peptide; Substance P (Li, J.-Y. (74) 269)

B-50; Neuromodulin; Synaptic plasticity; Growth cone; Axon outgrowth; Activity-dependent expression (Lin, P.-X. (76) 95)

Gelsolin
Actin; Growth cone; Ca^{2+}; Cell motility; PC12 cell; Neuron (Tanaka, J. (76) 268)

Gene expression
Substance P; Preprotachykinin; Superior cervical ganglion; Neurotransmitter phenotype; Tissue culture; Conditioned medium; Glia (Lentz, S.I. (73) 35)

Neuropeptide Y; Muscarinic receptor; Neuronal culture (Poulakos, J.J. (74) 25)

Chick embryo; Dorsal root ganglion; Tissue culture; Immunohistochemistry; Calretinin (Király, E. (76) 260)

Gene regulation
Neurotrophin; Receptor; In situ hybridization; Ontogeny (Ringstedt, T. (72) 119)

Hippocampus; Development; Polyamine; Seizure (Najm, I. (74) 193)

Gestational exposure
Phencyclidine; Dopamine; Release; NMDA receptor complex; Development (Ali, S.F. (73) 25)

GFAP
Development; Gliogenesis; Radial glia; Glutamine synthetase; Immunohistochemistry (Akimoto, J. (72) 9)

Glia
Schwann cell; Sciatic nerve; Estradiol; Steroid hormone; Cyclic adenosine monophosphate; Proliferation; Receptor (Jung-Testas, I. (72) 282)

Substance P; Preprotachykinin; Superior cervical ganglion; Neurotransmitter phenotype; Tissue culture; Conditioned medium; Gene expression (Lentz, S.I. (73) 35)

Histone H1°; Brain; Neuron; Terminal differentiation; Estradiol; Arcuate (García-Segura, L.M. (73) 63)

Glial cell
Ethanol; Cell culture; Cerebellum; Macroneuron; Neurite; Immunostaining; Morphometric measurement (Zou, J.-y. (72) 75)

Glial development
Opioid; Morphine; Gliogenesis; Cell death; Neurotoxicology (Gurwell, J.A. (76) 293)

Glial differentiation
Murine primary culture; κ Opioid receptor; Opioid peptide; Reactive astrocyte hypertrophy; Fura-2/AM; Fluo-3AM (Stiene-Martin, A. (76) 189)

Glial fascicle
Radial glial cell; Neuronal–glial unit; Corticogenesis; Mammalian evolution (Gressens, P. (76) 272)

Glial fibrillary acidic protein
Astrocyte; Alcohol; Brain growth spurt; Astrogliosis; Immunocytochemistry; Development (Goodlett, C.R. (72) 85)

Astrocyte; Oligodendrocyte; Development; Striate cortex; Cortical plasticity; Immunocytochemistry (Dyck, R.H. (72) 181)

Methamphetamine; Tyrosine hydroxylase; Development; Neurotoxicity (Pu, C. (72) 325)

Glial precursor cell
Oligodendrocyte; Astrocyte; Development; Cell isolation; Immunocytochemistry (Norton, W.T. (72) 193)

Gliogenesis
Development; Radial glia; GFAP; Glutamine synthetase; Immunohistochemistry (Akimoto, J. (72) 9)

Opioid; Morphine; Glial development; Cell death; Neurotoxicology (Gurwell, J.A. (76) 293)

Globose basal cell
Bromodeoxyuridine; Keratin; Basal cell proper; Developing olfactory epithelium (Suzuki, Y. (73) 107)

Glossopharyngeal nerve
Development; Embryonic; Induction; Neurotrophic; Stem cell; Taste (Oakley, B. (72) 259)

Glucocorticoid
Corticotropin releasing factor; Stress; Neonatal; Rat; Development; Hypothalamus (Yi, S.-J. (73) 253)

Glucose
Cocaine; Fetus; Prenatal; Metabolism; Cerebral (Burchfield, D.J. (73) 283)

Glucose metabolism
Development; Stimulant; Long-term effect (Dow-Edwards, D.L. (72) 309)

Glucose transport
Blood–brain barrier; Brain endothelium; Brain vasculogenesis; GLUT-1 transporter; Immunocytochemical localization; Nervous system development (Harik, S.I. (72) 41)

Glutamate
Pyramidal neuron; Neurotoxicity; Trophic factor; Neuroprotection; Ganglioside; Hippocampus (Skaper, S.D. (71) 1)

Neonate; Hippocampus; Phosphorylation; Phorbol ester; MARCKS (Shaffer, L.M. (73) 133)

Hypothalamus; *N*-Methyl-D-aspartate; Fos (MacDonald, M.C. (73) 193)

Rett syndrome; Post-mortem analysis; Acetylcholine; Opiate; Neurotensin (Wenk, G.L. (74) 67)

Whole-cell patch clamp; Synaptogenesis; Chick embryonic neuron; GABA; Cell culture (Tokioka, R. (74) 146)

Glutamate receptor
Synaptogenesis; GABA receptor; Retina development; Quantal analysis; Inhibitory postsynaptic current; Excitatory postsynaptic current (Rörig, B. (74) 98)

Glutamate release
Synaptosome; Hippocampus; Cortex; Postnatal development (Collard, K.J. (71) 37)

Glutamic acid decarboxylase
Neuronal differentiation; γ-Aminobutyric acid (Shah, B.H. (72) 151)

GABA; Immunocytochemistry; Rat; Embryo; Spinal cord; Gradient (Schaffner, A.E. (72) 265)

Glutamine synthetase
Development; Gliogenesis; Radial glia; GFAP; Immunohistochemistry (Akimoto, J. (72) 9)

GLUT-1 transporter
Blood–brain barrier; Brain endothelium; Brain vasculogenesis; Glucose transport; Immunocytochemical localization; Nervous system development (Harik, S.I. (72) 41)

Glycosaminoglycans
Neuromuscular junction formation; Acetylcholine receptor clustering; Agrin; *Xenopus* nerve-muscle culture; Induction between nerve and muscle (Saito, M. (71) 9)

Goldfish
6-Hydroxydopamine; Tunicamycin; Differentiation; Retina; Photoreceptor; Immunocytochemistry; Retinal regeneration (Braisted, J.E. (76) 221)

Gonadal steroid
Sexual differentiation; Hypothalamus; Preoptic area; Cell migration (Tobet, S.A. (72) 167)

Central nervous system development; Cerebral cortex; Hypothalamus; Phenotype determination; Sexual differentiation (O'Keefe, J.A. (75) 105)

Gradient
GABA; Glutamic acid decarboxylase; Immunocytochemistry; Rat; Embryo; Spinal cord (Schaffner, A.E. (72) 265)

Granule cell
Lactate dehydrogenase; Mitochondrion; Propidium iodide; Protein loss; Rhodamine 123 (Juurlink, B.H.J. (71) 239)

Cerebellum; Allocation; Retrovirus (Miyake, T. (74) 245)

Growth cone
Neuronal growth; Membrane biogenesis; Membrane insertion; Exocytosis; Ultrastructure (Pfenninger, K.H. (71) 181)

GAP-43; B-50; Neuromodulin; Synaptic plasticity; Axon outgrowth; Activity-dependent expression (Lin, P.-X. (76) 95)

Gelsolin; Actin; Ca^{2+}; Cell motility; PC12 cell; Neuron (Tanaka, J. (76) 268)

Growth hormone-binding protein
Ontogeny; Growth hormone receptor; mRNA; Hypothalamus (Hasegawa, O. (74) 287)

Growth hormone receptor
Localization; Brain; Immunohistochemistry; mRNA (Lobie, P.E. (74) 225)

Ontogeny; Growth hormone-binding protein; mRNA; Hypothalamus (Hasegawa, O. (74) 287)

H

Hair cell
HBL 14 lectin; Cochlea; Supporting cell; Development; Rat (Remezal, M. (73) 1)

Haloperidol
Neonatal lesion; Hippocampus; Ibotenic acid; Stereotypy; Catalepsy; Apomorphine; Dopamine (Lipska, B.K. (75) 213)

Hamster
Suprachiasmatic nucleus; Neural graft; Vasoactive intestinal peptide; Neurophysin (Romero, M.-T. (71) 45)

HBL 14 lectin
Cochlea; Hair cell; Supporting cell; Development; Rat (Remezal, M. (73) 1)

HCMV-IEP-lacZ transgene
Mouse; Splotch mutant; Neural crest; Peripheral nervous system; Sympathetic trunk (Franz, T. (72) 99)

Heart
Sympathonectin; Laminin; Heart conditioned medium; Sympathetic innervation; Skeletal muscle (Kuromi, H. (72) 159)

Heart conditioned medium
Sympathonectin; Laminin; Sympathetic innervation; Heart; Skeletal muscle (Kuromi, H. (72) 159)

Heparin-binding growth factor
Pleiotrophin; In situ hybridization; Developmental expression (Wanaka, A. (72) 133)

Hexachlorocyclohexane
Neuronal primary culture; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric $acid_A$ receptor; Picrotoxinin binding site; Convulsant; Cyclodiene (Pomés, A. (73) 85)

Hippocampal formation
Human fetus; Neuropeptide Y (Yu, M.C. (72) 277)

Hippocampal slice
Epileptiform discharge; Tetraethylammonium; Excitatory amino acid antagonist; Bicuculline methiodide; Rat, young and adult (Fueta, Y. (72) 51)

Excitability; Seizure; CA1 region; Immature brain; Rat; Extracellular K^+ concentration; Spreading depression (Kreisman, N.R. (76) 67)

Hippocampus
Pyramidal neuron; Neurotoxicity; Glutamate; Trophic factor; Neuroprotection; Ganglioside (Skaper, S.D. (71) 1)

Glutamate release; Synaptosome; Cortex; Postnatal development (Collard, K.J. (71) 37)

Synaptic plasticity; In vitro development; Rat; Organotypic culture; Ultrastructure (Buchs, P.-A. (71) 81)

Synaptic plasticity; Development; Ontogenesis; Long-term potentiation; Organotypic culture; Rat (Muller, D. (71) 93)

Vasopressin; cAMP; Development; Vasopressin V_2 receptor (Brinton, R.D. (71) 101)

Ornithine decarboxylase; Excitotoxic induction; Brain development; Olfactory cortex; Amygdala (Ciani, E. (71) 258)

Neonate; Phosphorylation; Phorbol ester; Glutamate; MARCKS (Shaffer, L.M. (73) 133)

Early exposure; GABA uptake; GABA receptor; Benzodiazepine receptor; Phenobarbital (Pick, C.G. (74) 111)

PC12 cell; Embryogenesis; Histochemistry; Alzheimer's disease (Fukuyama, R. (74) 127)

Development; Polyamine; Gene regulation; Seizure (Najm, I. (74) 193)

Neonatal lesion; Ibotenic acid; Stereotypy; Catalepsy; Apomorphine; Haloperidol; Dopamine (Lipska, B.K. (75) 213)

Long-term depression; NMDA; Synaptic plasticity; Development; 2-Amino-5-phosphonopentanoic acid; Long-term potentiation; Ontogeny (Velíšek, L. (75) 253)

Histochemistry
Hippocampus; PC12 cell; Embryogenesis; Alzheimer's disease (Fukuyama, R. (74) 127)

Histone H1°
Brain; Neuron; Glia; Terminal differentiation; Estradiol; Arcuate (García-Segura, L.M. (73) 63)

Hormonal mechanism
Bed nucleus of the accessory olfactory tract; Sexual dimorphism; Estradiol; Dihydrotestosterone; Vomeronasal system (Collado, P. (75) 285)

Horseradish peroxidase
Spinal nucleus of the bulbocavernosus; Dendrodendritic interaction; Dendritic extent; Arbor area; Somal size (Goldstein, L.A. (73) 151)

Blood–brain barrier; Central nervous system endothelium; 6-Aminonicotinamide; Astrocyte (Krum, J.M. (74) 41)

Human
Noradrenaline; Serotonin; Human development; Brainstem; Spinal cord (Sundström, E. (75) 1)

Human brain
Choline acetyltransferase; Acetylcholinesterase; MK-801; AMPA; CNQX; Development; Aging (Court, J.A. (74) 73)

Human development
Noradrenaline; Serotonin; Brainstem; Spinal cord; Human (Sundström, E. (75) 1)

Human fetal brainstem
Dissociated cell culture; Indolamine; Catecholamine (Levallois, C. (75) 141)

Human fetus
Hippocampal formation; Neuropeptide Y (Yu, M.C. (72) 277)

Human hypothalamus
Tyrosine hydroxylase; Paraventricular nucleus; Supraoptic nucleus; Development; Vasopressin; Oxytocin (Panayotacopoulou, M.T. (72) 145)

Hyaluronate
Versican; Proteoglycan; Developmental regulation; Brain development (Crawford, T.J. (76) 264)

Hybridization histochemistry
Olfactory system; Synaptic vesicle; Development; Rat; Synaptophysin; Synaptoporin; Immunocytochemistry (Bergmann, M. (74) 235)

6-Hydroxydopamine
Dopamine; Dopamine D_1 receptor; SKF 38393; Ontogeny; Supersensitization; Priming (Gong, L. (76) 59)

Dopamine; 5-Hydroxytryptamine; Oral activity; Supersensitivity; Ontogeny (Kostrzewa, R.M. (76) 87)

Tunicamycin; Differentiation; Retina; Photoreceptor; Immunocytochemistry; Goldfish; Retinal regeneration (Braisted, J.E. (76) 221)

Dopamine; Dopamine D_1 receptor; SKF 38393; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

5-Hydroxytryptamine
Dopamine; Oral activity; Supersensitivity; Ontogeny; 6-Hydroxydopamine (Kostrzewa, R.M. (76) 87)

Hypothalamic β-endorphin level
Prenatal stress; Offspring (Sánchez, M.D. (74) 142)

Hypothalamic-pituitary-adrenal axis
Maternal regulation; Development; Maternal deprivation; Stress; Rat (Suchecki, D. (75) 185)

Hypothalamus
Sexual differentiation; Gonadal steroid; Preoptic area; Cell migration (Tobet, S.A. (72) 167)

Testosterone; Estrogen; GAP-43; Preoptic area; Cerebral cortex (Shughrue, P.J. (73) 123)

Dopamine; Tyrosine hydroxylase-immunocytochemistry; [^{3}H]Thymidine autoradiography; Development; Rat (Borisova, N.A. (73) 173)

Glutamate; *N*-Methyl-D-aspartate; Fos (MacDonald, M.C. (73) 193)

Corticotropin releasing factor; Glucocorticoid; Stress; Neonatal; Rat; Development (Yi, S.-J. (73) 253)

Ontogeny; Growth hormone receptor; Growth hormone-binding protein; mRNA (Hasegawa, O. (74) 287)

Prodynorphin; Oxytocin; Vasopressin; Development; Rat; In situ hybridization (Laurent-Huck, F.M. (75) 45)

Central nervous system development; Cerebral cortex; Phenotype determination; Sexual differentiation; Gonadal steroid (O'Keefe, J.A. (75) 105)

Cocaine; Sexual differentiation; Sexually dimorphic nucleus; Rat; Perinatal (Maecker, H.L. (76) 288)

Hypoxia
Piglet; Phrenic; Recurrent laryngeal; Central pattern generator (Steele, A.M. (74) 57)

Carbon monoxide; Ornithine decarboxylase; Fetus; Newborn (Packianathan, S. (76) 131)

Cerebral blood flow; Iodoantipyrine; Autoradiography; Postnatal development (Bilger, A. (76) 197)

I

Ibotenic acid
Neonatal lesion; Hippocampus; Stereotypy; Catalepsy; Apomorphine; Haloperidol; Dopamine (Lipska, B.K. (75) 213)

Identified neuron
Rat hippocampus; Cell culture; Electrophysiology; Development (Yang, J. (71) 19)

Immature brain
Excitability; Seizure; Hippocampal slice; CA1 region; Rat; Extracellular K^+ concentration; Spreading depression (Kreisman, N.R. (76) 67)

Immunoblotting
Amyloid precursor protein; β/A4 protein; Synaptophysin; Myelin basic protein; Developing rat; Immunohistochemistry (Ohta, M. (75) 151)

Fetal human astrocyte; Fetal human neuron; Midkine; Neurotrophic effect (Satoh, J.-i. (75) 201)

Immunocytochemical localization
Blood–brain barrier; Brain endothelium; Brain vasculogenesis; Glucose transport; GLUT-1 transporter; Nervous system development (Harik, S.I. (72) 41)

Immunocytochemistry
Astrocyte; Glial fibrillary acidic protein; Alcohol; Brain growth spurt; Astrogliosis; Development (Goodlett, C.R. (72) 85)

Astrocyte; Oligodendrocyte; Development; Striate cortex; Cortical plasticity; Glial fibrillary acidic protein (Dyck, R.H. (72) 181)

Glial precursor cell; Oligodendrocyte; Astrocyte; Development; Cell isolation (Norton, W.T. (72) 193)

γ-Aminobutyric acid; Differentiation; In situ hybridization; Rat; Spinal cord (Behar, T. (72) 203)

Striatum; Development; Synaptic vesicle protein; In situ hybridization; Rat (Ovtscharoff, W. (72) 219)

GABA; Glutamic acid decarboxylase; Rat; Embryo; Spinal cord; Gradient (Schaffner, A.E. (72) 265)

Barrel; Trigeminal; Galanin; Primary afferent; Vibrissa (White, F.A. (72) 314)

Olfactory system; Synaptic vesicle; Development; Rat; Synaptophysin; Synaptoporin; Hybridization histochemistry (Bergmann, M. (74) 235)

Development; Electron microscopy; Synapse elimination (Crissman, R.S. (75) 131)

Endogenous opiate; Neuroblast; Cell division; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Nervous system development; Cell differentiation; In situ hybridization (Osborne, J.G. (76) 1)

6-Hydroxydopamine; Tunicamycin; Differentiation; Retina; Photoreceptor; Goldfish; Retinal regeneration (Braisted, J.E. (76) 221)

Immunohistochemistry
Inositol 1,4,5-trisphosphate; Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate 3-kinase; Rat; Cerebellum; Development; Ultrastructure (Yamada, M. (71) 137)

Development; Gliogenesis; Radial glia; GFAP; Glutamine synthetase (Akimoto, J. (72) 9)

Fetal cerebellar graft; Stereotaxic implantation; Axonal sprouting; Blood–brain barrier; Purkinje cell; Anti-Leu-4 (CD3) (Gerloff, C. (74) 30)

Growth hormone receptor; Localization; Brain; mRNA (Lobie, P.E. (74) 225)

Tyrosine hydroxylase; Rat retina; Development (Wu, D.K. (74) 253)

GAP-43; Motor endplate; Confocal laser scanning; Synaptophysin; Autonomic vessel terminal; Calcitonin gene-related peptide; Substance P (Li, J.-Y. (74) 269)

Amyloid precursor protein; β/A4 protein; Synaptophysin; Myelin basic protein; Developing rat; Immunoblotting (Ohta, M. (75) 151)

Insulin receptor; Retina; Amacrine cell; Insulin; Chick; Development (Hyndman, A.G. (75) 289)

Chick embryo; Dorsal root ganglion; Tissue culture; Calretinin; Gene expression (Király, E. (76) 260)

Immunostaining
Ethanol; Cell culture; Cerebellum; Macroneuron; Neurite; Glial cell; Morphometric measurement (Zou, J.-y. (72) 75)

Indolamine
Dissociated cell culture; Human fetal brainstem; Catecholamine (Levallois, C. (75) 141)

Induction
Development; Embryonic; Glossopharyngeal nerve; Neurotrophic; Stem cell; Taste (Oakley, B. (72) 259)

Induction between nerve and muscle
Neuromuscular junction formation; Acetylcholine receptor clustering; Agrin; Glycosaminoglycans; *Xenopus* nerve-muscle culture (Saito, M. (71) 9)

Inhibitor
Agrin; Rat; Protease; Expression; mRNA; Neuromuscular junction; In situ hybridization (Biroc, S.L. (75) 119)

Inhibitory postsynaptic current
Synaptogenesis; Glutamate receptor; GABA receptor; Retina development; Quantal analysis; Excitatory postsynaptic current (Rörig, B. (74) 98)

Inositol 1,3,4,5-tetrakisphosphate
Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate 3-kinase; Immunohistochemistry; Rat; Cerebellum; Development; Ultrastructure (Yamada, M. (71) 137)

Inositol 1,4,5-trisphosphate
Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate 3-kinase; Immunohistochemistry; Rat; Cerebellum; Development; Ultrastructure (Yamada, M. (71) 137)

Inositol 1,4,5-trisphosphate 3-kinase
Inositol 1,4,5-trisphosphate; Inositol 1,3,4,5-tetrakisphosphate; Immunohistochemistry; Rat; Cerebellum; Development; Ultrastructure (Yamada, M. (71) 137)

In ovo
Chick embryo; Ethanol; Norve growth factor; Intracerebral; Cholinergic neuron; Choline acetyltransferase; Neuronotropic (Rahman, H. (76) 256)

In situ hybridization
Neurotrophin; Receptor; Gene regulation; Ontogeny (Ringstedt, T. (72) 119)

Pleiotrophin; Heparin-binding growth factor; Developmental expression (Wanaka, A. (72) 133)

γ-Aminobutyric acid; Differentiation; Immunocytochemistry; Rat; Spinal cord (Behar, T. (72) 203)

Striatum; Development; Synaptic vesicle protein; Immunocytochemistry; Rat (Ovtscharoff, W. (72) 219)

Brain; Angiotensinogen; mRNA; Aging; Rat (Bunnemann, B. (73) 41)

Dopamine; Messenger RNA; Substantia nigra; Ventral tegmental area (Solberg, Y. (73) 91)

Choline acetyltransferase; Muscarinic m_1 and m_2 receptor; Nerve growth factor; Messenger RNA; Cell culture (Ebstein, R.P. (73) 165)

Prodynorphin; Oxytocin; Vasopressin; Hypothalamus; Development; Rat (Laurent-Huck, F.M. (75) 45)

Agrin; Rat; Protease; Inhibitor; Expression; mRNA; Neuromuscular junction (Biroc, S.L. (75) 119)

Cranial ganglion; Development; mRNA; Neurotrophin; Sensory neuron; Tyrosine kinase receptor (Williams, R. (75) 235)

Endogenous opiate; Neuroblast; Cell division; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Nervous system development; Cell differentiation; Immunocytochemistry (Osborne, J.G. (76) 1)

Synaptic vesicle; Large dense core vesicle; Neuropeptide; Ontogeny (Mahata, M. (76) 43)

In situ hybridization histochemistry
Ontogeny; 14-3-3 η subtype mRNA; Northern blot analysis; Rat; Brain (Watanabe, M. (73) 225)

Insulin
Spinal motoneuron; Neuron–glia interaction; Insulin-like growth factor I; Nerve growth factor; Neurite outgrowth (Ang, L.C. (74) 83)

Insulin receptor; Retina; Amacrine cell; Immunohistochemistry; Chick; Development (Hyndman, A.G. (75) 289)

Insulin-like growth factor
Retina; Teleost; Fibroblast growth factor; Proliferation; Differentiation (Mack, A.F. (76) 183)

Insulin-like growth factor I
Spinal motoneuron; Neuron–glia interaction; Insulin; Nerve growth factor; Neurite outgrowth (Ang, L.C. (74) 83)

Insulin receptor
Retina; Amacrine cell; Insulin; Immunohistochemistry; Chick; Development (Hyndman, A.G. (75) 289)

Intracerebral
Chick embryo; Ethanol; Norve growth factor; In ovo; Cholinergic neuron; Choline acetyltransferase; Neuronotropic (Rahman, H. (76) 256)

Intracerebroventricular
Spontaneously hypertensive rat; PD 123319; Losartan; Blood pressure; Angiotensin II (Toney, G.M. (71) 193)

Intraocular transplantation
Fibroblast growth factor-1; Fibroblast growth factor-2; Substantia nigra; Dopamine; Tyrosine hydroxylase; Falck-Hillarp histochemistry; Iris; Axon growth (Giacobini, M.M.J. (75) 65)

In vitro development
Synaptic plasticity; Rat; Hippocampus; Organotypic culture; Ultrastructure (Buchs, P.-A. (71) 81)

Iodoantipyrine
Cerebral blood flow; Autoradiography; Hypoxia; Postnatal development (Bilger, A. (76) 197)

Iris
Fibroblast growth factor-1; Fibroblast growth factor-2; Substantia nigra; Intraocular transplantation; Dopamine; Tyrosine hydroxylase; Falck-Hillarp histochemistry; Axon growth (Giacobini, M.M.J. (75) 65)

Iron histochemistry
Perineuronal; Myelin; Cerebral cortex (LeVine, S.M. (75) 279)

K

Kallmann's syndrome
Mouse embryo; Fetal surgery; Laser; Arhinencephaly; Corpus callosum; Olfactory bulb; Anterior commissure (Naruse, I. (71) 69)

Keratan sulfate
Development; Proteoglycan; Astrocyte; Cortex; Thalamus; Axonal growth (Geisert Jr., E.E. (75) 163)

Keratin
Bromodeoxyuridine; Basal cell proper; Globose basal cell; Developing olfactory epithelium (Suzuki, Y. (73) 107)

Kernicterus
Bilirubin; 2-Deoxyglucose; Postnatal development (Roger, C. (76) 115)

Kindling
Seizure; Epilepsy (Holmes, G.L. (73) 71)

Neonatal; Amygdala; Rat; Seizure; Epilepsy model (Baram, T.Z. (73) 79)

Kitten
Cell death; Retina; Retinal ganglion cell; Microglia; Displaced amacrine (Pearson, H.E. (76) 249)

κ Opioid receptor
Glial differentiation; Murine primary culture; Opioid peptide; Reactive astrocyte hypertrophy; Fura-2/AM; Fluo-3AM (Stiene-Martin, A. (76) 189)

Kynurenic acid
Excitatory amino acid; Excitotoxicity; Neuroprotection (Baran, H. (74) 283)

L

Lactate dehydrogenase
Granule cell; Mitochondrion; Propidium iodide; Protein loss; Rhodamine 123 (Juurlink, B.H.J. (71) 239)

Lactation
Suckling; *c-fos* (Wintrip, N. (76) 283)

Laminar specificity
Transplantation; Visual cortex; Lateral geniculate nucleus; Development (Kurotani, T. (71) 151)

Axon specification; Visual development; Visuotopy; Superior colliculus; Corticotectal development; Topographic specificity (Bruce, L.L. (73) 47)

Laminin
Sympathonectin; Heart conditioned medium; Sympathetic innervation; Heart; Skeletal muscle (Kuromi, H. (72) 159)

Lamprey
Oculomotor system; Development; Migration; Motoneuron; Perikaryal translocation (Fritzsch, B. (74) 122)

Large dense core vesicle
Synaptic vesicle; Neuropeptide; Ontogeny; In situ hybridization (Mahata, M. (76) 43)

Laser
Mouse embryo; Fetal surgery; Arhinencephaly; Corpus callosum; Olfactory bulb; Anterior commissure; Kallmann's syndrome (Naruse, I. (71) 69)

Lateral geniculate body
Development; NADPH-diaphorase; Nitric oxide; Superior colliculus (González-Hernández, T. (76) 141)

Lateral geniculate nucleus
Transplantation; Visual cortex; Laminar specificity; Development (Kurotani, T. (71) 151)

Ventrobasal complex; Medial geniculate nucleus; Neuroepithelium; Diencephalic differentiation; Neuronal differentiation (Schlaggar, B.L. (75) 19)

Lateral hypothalamus
Suprachiasmatic nucleus; Retinohypothalamic tract; Retrochiasmatic area; Circadian rhythm; Synaptogenesis; Synapsin (Speh, J.C. (76) 171)

Leukemia inhibitory factor
Astrocyte progenitor; Ciliary neurotrophic factor; Epidermal growth factor (Yoshida, T. (76) 147)

Localization
Growth hormone receptor; Brain; Immunohistochemistry; mRNA (Lobie, P.E. (74) 225)

Long-term depression
Hippocampus; NMDA; Synaptic plasticity; Development; 2-Amino-5-phosphonopentanoic acid; Long-term potentiation; Ontogeny (Velíšek, L. (75) 253)

Long-term effect
Development; Stimulant; Glucose metabolism (Dow-Edwards, D.L. (72) 309)

Long-term potentiation
Synaptic plasticity; Development; Ontogenesis; Organotypic culture; Hippocampus; Rat (Muller, D. (71) 93)

Long-term depression; Hippocampus; NMDA; Synaptic plasticity; Development; 2-Amino-5-phosphonopentanoic acid; Ontogeny (Velíšek, L. (75) 253)

Losartan
Spontaneously hypertensive rat; PD 123319; Blood pressure; Angiotensin II; Intracerebroventricular (Toney, G.M. (71) 193)

Low-affinity nerve growth factor receptor
Nerve growth factor; Cerebellum; Development; Thyroid hormone (Figueiredo, B.C. (72) 237)

Lumbosacral
Propriospinal; Spinal cord; Descending control; Cervical; Development; Opossum; Retrograde tracing (Cassidy, G. (72) 291)

Luteinizing hormone-releasing hormone
Olfactory marker protein; Migration; Olfactory system; Development (Valverde, F. (71) 209)

M

Macroneuron
Ethanol; Cell culture; Cerebellum; Neurite; Immunostaining; Glial cell; Morphometric measurement (Zou, J.-y. (72) 75)

Male bedding odor
Fos-like immunoreactivity; Mouse olfactory bulb; Precocious puberty; Peppermint (Schellinck, H.M.I. (74) 138)

Mammalian
Sensory neuron; Dorsal root ganglion; Carbonic anhydrase; Proprioception; Development (Mayeux, V. (71) 201)

Mammalian evolution
Radial glial cell; Glial fascicle; Neuronal–glial unit; Corticogenesis (Gressens, P. (76) 272)

M6 antibody
Axonal guidance; Optic axon; Molecular layer; White matter; Transplantation (Hankin, M. (75) 146)

MAP kinase
Basal forebrain; Cholinergic; GABAergic; Nerve growth factor; c-Fos (Downen, M. (74) 1)

MARCKS
Neonate; Hippocampus; Phosphorylation; Phorbol ester; Glutamate (Shaffer, L.M. (73) 133)

Marsupial
Aromatase; Brain; Opossum; Development (Fadem, B.H. (74) 199)

Fasciculus gracilis; Spinocerebellar; Spinoolivary; Spinoreticular (Qin, Y.Q. (75) 75)

Maternal deprivation
Maternal regulation; Hypothalamic-pituitary-adrenal axis; Development; Stress; Rat (Suchecki, D. (75) 185)

Maternal regulation
Hypothalamic-pituitary-adrenal axis; Development; Maternal deprivation; Stress; Rat (Suchecki, D. (75) 185)

Medial amygdala
Ontogeny; Vassopressin mRNA; Bed nucleus of the stria terminalis; Sexual dimorphism (Szot, P. (73) 177)

Medial geniculate nucleus
Ventrobasal complex; Lateral geniculate nucleus; Neuroepithelium; Diencephalic differentiation; Neuronal differentiation (Schlaggar, B.L. (75) 19)

Medial lemniscus
Development; Somatosensory system; Dorsal column nucleus; Tract tracing; Anuran (Múñoz, A. (74) 291)

Medial preoptic area
Opioid peptide; Development; Enkephalin; Endorphin (Ge, F. (73) 273)

Melatonin
Suprachiasmatic nucleus; Pars tuberalis; Circadian timing system; Pineal (Duncan, M.J. (73) 205)

Membrane biogenesis
Neuronal growth; Growth cone; Membrane insertion; Exocytosis; Ultrastructure (Pfenninger, K.H. (71) 181)

Membrane-bound
Calcium-activated neutral proteinase; Myelin; Cytosol; 2′,3′-Cyclic nucleotide-3′-phosphohydrolase; Subcellular fraction (Chakrabarti, A.K. (71) 107)

Membrane insertion
Neuronal growth; Growth cone; Membrane biogenesis; Exocytosis; Ultrastructure (Pfenninger, K.H. (71) 181)

Membrane potential
Flow cytometry; Developing rat striatum; GABA-containing neuron; $GABA_A$-mediated response (Fiszman, M.L. (73) 243)

Mercuric chloride
D-Aspartate; Astrocyte (Mullaney, K.J. (75) 261)

Meriones unguiculatus
Sexually dimorphic area pars compacta; Sexual differentiation; Cell death (Ulibarri, C.M. (74) 14)

Mesencephalon
Cocaine; Dopamine; Cell culture; Brain (Brouard, A. (75) 13)

Mesencephalon rotation
Quail-chick chimera; Rostrocaudal polarity; Plasticity; Circumferential axon (Matsuno, T. (75) 39)

Messenger RNA
Dopamine; Substantia nigra; Ventral tegmental area; In situ hybridization (Solberg, Y. (73) 91)

In situ hybridization; Choline acetyltransferase; Muscarinic m_1 and m_2 receptor; Nerve growth factor; Cell culture (Ebstein, R.P. (73) 165)

Metabolism
Cocaine; Fetus; Prenatal; Glucose; Cerebral (Burchfield, D.J. (73) 283)

Metabotropic glutamate receptor
Synaptic plasticity; Retinal development; Optic nerve; Rat (Fix, A.S. (75) 223)

Methadone
Acetylcholine; Acetylcholinesterase; Choline acetyltransferase; Striatum (Robinson, S.E. (76) 239)

Methamphetamine
Tyrosine hydroxylase; Glial fibrillary acidic protein; Development; Neurotoxicity (Pu, C. (72) 325)

3-Methoxy-4-hydroxyphenylglycol
Clenbuterol; β-Adrenoceptor; Noradrenaline; Monoamine metabolism; Postnatal brain development (Erdtsieck-Ernste, E.B.H.W. (71) 27)

***N*-Methyl-D-aspartate**
Enkephalin; Phenotype; Development; Central nervous system (Summers, R.W. (73) 185)

Hypothalamus; Glutamate; Fos (MacDonald, M.C. (73) 193)

Methylxanthine
Caffeine; Theophylline; Theobromine; Embryotoxicity; Brain; Pharmacokinetics (Wilkinson, J.M. (75) 193)

Microglia
Plasminogen; Dopaminergic neuron; GABA neuron; Neurotrophic effect; Culture (Nagata, K. (75) 31)

Cell death; Kitten; Retina; Retinal ganglion cell; Displaced amacrine (Pearson, H.E. (76) 249)

Midkine
Fetal human astrocyte; Fetal human neuron; Immunoblotting; Neurotrophic effect (Satoh, J.-i. (75) 201)

Migration
Olfactory marker protein; Luteinizing hormone-releasing hormone; Olfactory system; Development (Valverde, F. (71) 209)

Oculomotor system; Lamprey; Development; Motoneuron; Perikaryal translocation (Fritzsch, B. (74) 122)

Misdirection
Arcuate fascicle; Axon; Ganglion cell; Primate; Fovea (Steineke, T.C. (74) 151)

Mitochondrion
Lactate dehydrogenase; Granule cell; Propidium iodide; Protein loss; Rhodamine 123 (Juurlink, B.H.J. (71) 239)

Mitogen
Tyrosine hydroxylase; Thymidine labelling; Ventral mesencephalon; Basic fibroblast growth factor; Neural progenitor (Mayer, E. (72) 253)

MK-801
Choline acetyltransferase; Acetylcholinesterase; AMPA; CNQX; Development; Aging; Human brain (Court, J.A. (74) 73)

Modulation
Cortex; Development; Afterhyperpolarization; Norepinephrine; Repetitive firing (Lorenzon, N.M. (73) 213)

Molecular layer
Axonal guidance; Optic axon; White matter; Transplantation; M6 antibody (Hankin, M. (75) 146)

Monoamine metabolism
Clenbuterol; β-Adrenoceptor; Noradrenaline; 3-Methoxy-4-hydroxyphenylglycol; Postnatal brain development (Erdtsieck-Ernste, E.B.H.W. (71) 27)

Monoclonal antibody
Dorsal root ganglion; Development; Chick embryo; Neurotrophic factor (Scott, S.A. (75) 175)

Bromodeoxyuridine; Cell specificity; Chicken retina; Complement-mediated cytolysis; Morphogenetic gradient; Müller glia; Neural development (Schlosshauer, B. (76) 13)

Morphine
Opiate; Antiopiate; Analgesia; Rat; Blood–brain barrier; Transport; Tyr-MIF-1 (Harrison, L.M. (75) 207)

Opioid; Glial development; Gliogenesis; Cell death; Neurotoxicology (Gurwell, J.A. (76) 293)

Morphogenetic gradient
Bromodeoxyuridine; Cell specificity; Chicken retina; Complement-mediated cytolysis; Monoclonal antibody; Müller glia; Neural development (Schlosshauer, B. (76) 13)

Morphometric measurement
Ethanol; Cell culture; Cerebellum; Macroneuron; Neurite; Immunostaining; Glial cell (Zou, J.-y. (72) 75)

Morphometry
Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory neural development; Olfactory receptor neuron; Basal cell; Supporting cell; Thyroid and neural development; Critical period; Compensatory neural growth; Cell number (Paternostro, M.A. (76) 151)

Mossy fiber
CGRP immunohistochemistry; Developing cerebellum; Climbing fiber (Yamano, M. (72) 107)

Motoneuron
Oculomotor system; Lamprey; Development; Migration; Perikaryal translocation (Fritzsch, B. (74) 122)

Motor endplate
GAP-43; Immunohistochemistry; Confocal laser scanning; Synaptophysin; Autonomic vessel terminal; Calcitonin gene-related peptide; Substance P (Li, J.-Y. (74) 269)

Mouse
Splotch mutant; Neural crest; HCMV-IEP-lacZ transgene; Peripheral nervous system; Sympathetic trunk (Franz, T. (72) 99)

Carbonic anhydrase deficiency; Flurothyl; Seizure; Development (Velíšek, L. (72) 321)

Chondroitin sulfate proteoglycan; Superior colliculus; Retinal ganglion cell; Explantation; Chick chorioallantoic membrane (Huxlin, K.R. (74) 207)

Mouse embryo
Fetal surgery; Laser; Arhinencephaly; Corpus callosum; Olfactory bulb; Anterior commissure; Kallmann's syndrome (Naruse, I. (71) 69)

Acetylcholinesterase; Neuron; Tissue culture (Sawyer, T.W. (71) 147)

Mouse olfactory bulb
Fos-like immunoreactivity; Precocious puberty; Male bedding odor; Peppermint (Schellinck, H.M.I. (74) 138)

Mouse spinal cord neuron in vitro
Chol-1 ganglioside; Synaptogenesis (Borroni, E. (71) 247)

Müller glia
Bromodeoxyuridine; Cell specificity; Chicken retina; Complement-mediated cytolysis; Monoclonal antibody; Morphogenetic gradient; Neural development (Schlosshauer, B. (76) 13)

Murine primary culture
Glial differentiation; κ Opioid receptor; Opioid peptide; Reactive astrocyte hypertrophy; Fura-2/AM; Fluo-3AM (Stiene-Martin, A. (76) 189)

Muscarinic m1 and m2 receptor genes
In situ hybridization; Choline acetyltransferase; Nerve growth factor; Messenger RNA; Cell culture (Ebstein, R.P. (73) 165)

Muscarinic receptor
Retinoic acid; Differentiation; Sk-N-SH neuroblastoma (Baumgartner, M.K. (72) 305)

Neuropeptide Y; Neuronal culture; Gene expression (Poulakos, J.J. (74) 25)

Acetylcholine; CA1; Excitatory postsynaptic potential; Brain slice/hippocampal slice; Neuromodulation (Milburn, C.M. (74) 133)

Muscle-cell culture
Neuromuscular development; Acetylcholine receptor expression, embryonic and adult; Neurotrophic influence; Synaptic imprinting; Patch clamp; Single-channel recording (Carlson, C.G. (72) 245)

Myelin
Calcium-activated neutral proteinase; Cytosol; Membrane-bound; 2′,3′-Cyclic nucleotide-3′-phosphohydrolase; Subcellular fraction (Chakrabarti, A.K. (71) 107)

Development; Myelin basic protein; Opossum; Spinal cord (Ghooray, G.T. (72) 67)

Perineuronal; Iron histochemistry; Cerebral cortex (LeVine, S.M. (75) 279)

Myelination
γ-Aminobutyric acid; Receptor; Myelin-deficient rat; Optic nerve (Lim, J.Y. (72) 15)

Myelin basic protein
Development; Myelin; Opossum; Spinal cord (Ghooray, G.T. (72) 67)

Amyloid precursor protein; β/A4 protein; Synaptophysin; Developing rat; Immunohistochemistry; Immunoblotting (Ohta, M. (75) 151)

Myelin-deficient rat
γ-Aminobutyric acid; Receptor; Myelination; Optic nerve (Lim, J.Y. (72) 15)

N

NADPH-diaphorase
Development; Nitric oxide; Superior colliculus; Lateral geniculate body (González-Hernández, T. (76) 141)

Neocortex
Ornithine decarboxylase; Cerebellum mRNA; Rat (Zawia, N.H. (71) 53)

Neonatal
Kindling; Amygdala; Rat; Seizure; Epilepsy model (Baram, T.Z. (73) 79)

Corticotropin releasing factor; Glucocorticoid; Stress; Rat; Development; Hypothalamus (Yi, S.-J. (73) 253)

Neonatal lesion
Hippocampus; Ibotenic acid; Stereotypy; Catalepsy; Apomorphine; Haloperidol; Dopamine (Lipska, B.K. (75) 213)

Neonate
Olfactory development; Olfactory glomerulus; Olfaction; Rat brain development; Periglomerular cell; Neurohistochemistry; Neurostereology (Meisami, E. (71) 253)

Hippocampus; Phosphorylation; Phorbol ester; Glutamate; MARCKS (Shaffer, L.M. (73) 133)

Cannabinoid; Ontogeny; Cerebellum; Brainstem; Forebrain (McLaughlin, C.R. (76) 75)

Neovascularization
Blood–brain barrier; Endothelial cell; Central nervous system; Ultrastructure (Bauer, H.C. (75) 269)

Nerve growth factor
Low-affinity nerve growth factor receptor; Cerebellum; Development; Thyroid hormone (Figueiredo, B.C. (72) 237)

In situ hybridization; Choline acetyltransferase; Muscarinic m_1 and m_2 receptor; Messenger RNA; Cell culture (Ebstein, R.P. (73) 165)

Basal forebrain; Cholinergic; GABAergic; c-Fos; MAP kinase (Downen, M. (74) 1)

Spinal motoneuron; Neuron–glia interaction; Insulin; Insulin-like growth factor I; Neurite outgrowth (Ang, L.C. (74) 83)

Neurotrophin; Nerve growth factor receptor; trk; Dorsal root ganglion; Neural crest; Quail; Avian (Speight, J.L. (75) 55)

Nerve growth factor receptor
Nerve growth factor; Neurotrophin; trk; Dorsal root ganglion; Neural crest; Quail; Avian (Speight, J.L. (75) 55)

Nervous system development
Blood–brain barrier; Brain endothelium; Brain vasculogenesis; Glucose transport; GLUT-1 transporter; Immunocytochemical localization (Harik, S.I. (72) 41)

Endogenous opiate; Neuroblast; Cell division; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Neural cell adhesion molecule
Trigeminal ganglion; Axon outgrowth; Vibrissa; Placode; Development (Scarisbrick, I.A. (71) 121)

Polysialic acid; Spinal cord; Development; Ascending pathway; Sensory system (Seki, T. (73) 141)

Neural crest
Mouse; Splotch mutant; HCMV-IEP-lacZ transgene; Peripheral nervous system; Sympathetic trunk (Franz, T. (72) 99)

Nerve growth factor; Neurotrophin; Nerve growth factor receptor; trk; Dorsal root ganglion; Quail; Avian (Speight, J.L. (75) 55)

Neural development
Bromodeoxyuridine; Cell specificity; Chicken retina; Complement-mediated cytolysis; Monoclonal antibody; Morphogenetic gradient; Müller glia (Schlosshauer, B. (76) 13)

Neural graft
Suprachiasmatic nucleus; Hamster; Vasoactive intestinal peptide; Neurophysin (Romero, M.-T. (71) 45)

Neural progenitor
Tyrosine hydroxylase; Thymidine labelling; Ventral mesencephalon; Basic fibroblast growth factor; Mitogen (Mayer, E. (72) 253)

Neurite
Ethanol; Cell culture; Cerebellum; Macroneuron; Immunostaining; Glial cell; Morphometric measurement (Zou, J.-y. (72) 75)

Neurite outgrowth
Spinal motoneuron; Neuron–glia interaction; Insulin; Insulin-like growth factor I; Nerve growth factor (Ang, L.C. (74) 83)

Neuroblast
Endogenous opiate; Cell division; Cerebellar cortex; Opioid peptide; Neuronal plasticity; Nervous system development; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Neurochemistry
NMDA antagonist; Chronic treatment; Development; Body weight; Brain weight; Spontaneous motility (Facchinetti, F. (74) 219)

Neuroepithelium
Ventrobasal complex; Lateral geniculate nucleus; Medial geniculate nucleus; Diencephalic differentiation; Neuronal differentiation (Schlaggar, B.L. (75) 19)

Neurogenesis
Catecholamine; Retinal development; Dopamine (Gardino, P.F. (72) 226)

Neurohistochemistry
Olfactory development; Olfactory glomerulus; Olfaction; Rat brain development; Neonate; Periglomerular cell; Neurostereology (Meisami, E. (71) 253)

Neuromodulation
Muscarinic receptor; Acetylcholine; CA1; Excitatory postsynaptic potential; Brain slice/hippocampal slice (Milburn, C.M. (74) 133)

Neuromodulin
GAP-43; B-50; Synaptic plasticity; Growth cone; Axon outgrowth; Activity-dependent expression (Lin, P.-X. (76) 95)

Neuromuscular development
Acetylcholine receptor expression, embryonic and adult; Neurotrophic influence; Synaptic imprinting; Muscle-cell culture; Patch clamp; Single-channel recording (Carlson, C.G. (72) 245)

Neuromuscular junction
Agrin; Rat; Protease; Inhibitor; Expression; mRNA; In situ hybridization (Biroc, S.L. (75) 119)

Neuromuscular junction formation
Acetylcholine receptor clustering; Agrin; Glycosaminoglycans; *Xenopus* nerve-muscle culture; Induction between nerve and muscle (Saito, M. (71) 9)

Neuron
Acetylcholinesterase; Mouse embryo; Tissue culture (Sawyer, T.W. (71) 147)

Histone H1°; Brain; Glia; Terminal differentiation; Estradiol; Arcuate (García-Segura, L.M. (73) 63)

Gelsolin; Actin; Growth cone; Ca^{2+}; Cell motility; PC12 cell (Tanaka, J. (76) 268)

Neuronal culture
Vitamin K; Warfarin; Neuronal survival; Fetal rat brain; Neuron development (Nakajima, M. (73) 17)

Chondroitin sulfate proteoglycans; Extracellular matrix; Telencephalon; Chick embryo; Cerebral hemisphere development; Neuronal migration (Hennig, A.K. (73) 261)

Neuropeptide Y; Muscarinic receptor; Gene expression (Poulakos, J.J. (74) 25)

Acetylcholine synthesis; AF64A; Striatal; Septal-hipoocampal (Meyer, E.M. (74) 51)

Neuronal development
Spinal cord; Neuronal repair; Plasma membrane; Substrate; Cell differentiation; NG108–15 cell (Ethell, D.W. (72) 1)

Neuronal differentiation
Glutamic acid decarboxylase; γ-Aminobutyric acid (Shah, B.H. (72) 151)

Ventrobasal complex; Lateral geniculate nucleus; Medial geniculate nucleus; Neuroepithelium; Diencephalic differentiation (Schlaggar, B.L. (75) 19)

Neuronal–glial unit
Radial glial cell; Glial fascicle; Corticogenesis; Mammalian evolution (Gressens, P. (76) 272)

Neuronal growth
Growth cone; Membrane biogenesis; Membrane insertion; Exocytosis; Ultrastructure (Pfenninger, K.H. (71) 181)

Neuronal migration
Chondroitin sulfate proteoglycans; Extracellular matrix; Telencephalon; Chick embryo; Cerebral hemisphere development; Neuronal culture (Hennig, A.K. (73) 261)

Radial glia; Plasticity; Fibronectin; Bergmann glia; Tyrosine phosphatase; Axonal guidance; Ventricular zone (Canoll, P.D. (75) 293)

Neuronal plasticity
Endogenous opiate; Neuroblast; Cell division; Cerebellar cortex; Opioid peptide; Nervous system development; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Neuronal primary culture
t-Butylbicyclophosphorothionate; γ-Aminobutyric acid$_A$ receptor; Picrotoxinin binding site; Convulsant; Cyclodiene; Hexachlorocyclohexane (Pomés, A. (73) 85)

Neuronal repair
Spinal cord; Neuronal development; Plasma membrane; Substrate; Cell differentiation; NG108–15 cell (Ethell, D.W. (72) 1)

Neuronal survival
Vitamin K; Warfarin; Neuronal culture; Fetal rat brain; Neuron development (Nakajima, M. (73) 17)

Neuron development
Vitamin K; Warfarin; Neuronal culture; Neuronal survival; Fetal rat brain (Nakajima, M. (73) 17)

Neuron–glia interaction
Spinal motoneuron; Insulin; Insulin-like growth factor I; Nerve growth factor; Neurite outgrowth (Ang, L.C. (74) 83)

Neuron number
Frog; Spinal cord; Development (Farel, P.B. (71) 169)

Neuronotropic
Chick embryo; Ethanol; Norve growth factor; In ovo; Intracerebral; Cholinergic neuron; Choline acetyltransferase (Rahman, H. (76) 256)

Neuropeptide
Synaptic vesicle; Large dense core vesicle; Ontogeny; In situ hybridization (Mahata, M. (76) 43)

Neuropeptide Y
Human fetus; Hippocampal formation (Yu, M.C. (72) 277)

Muscarinic receptor; Neuronal culture; Gene expression (Poulakos, J.J. (74) 25)

Peptide YY; Neuropeptide Y_1 receptor; Dorsal root ganglion; Rat development (Jazin, E.E. (76) 105)

Neuropeptide Y_1 receptor
Peptide YY; Neuropeptide Y; Dorsal root ganglion; Rat development (Jazin, E.E. (76) 105)

Neurophysin
Suprachiasmatic nucleus; Hamster; Neural graft; Vasoactive intestinal peptide (Romero, M.-T. (71) 45)

Neuroprotection
Pyramidal neuron; Neurotoxicity; Glutamate; Trophic factor; Ganglioside; Hippocampus (Skaper, S.D. (71) 1)

Excitatory amino acid; Excitotoxicity; Kynurenic acid (Baran, H. (74) 283)

Neurostereology
Olfactory development; Olfactory glomerulus; Olfaction; Rat brain development; Neonate; Periglomerular cell; Neurohistochemistry (Meisami, E. (71) 253)

Neurotensin
Rett syndrome; Post-mortem analysis; Acetylcholine; Glutamate; Opiate (Wenk, G.L. (74) 67)

Neurotoxicity
Pyramidal neuron; Glutamate; Trophic factor; Neuroprotection; Ganglioside; Hippocampus (Skaper, S.D. (71) 1)

Methamphetamine; Tyrosine hydroxylase; Glial fibrillary acidic protein; Development (Pu, C. (72) 325)

Neurotoxicology
Opioid; Morphine; Glial development; Gliogenesis; Cell death (Gurwell, J.A. (76) 293)

Neurotransmitter phenotype
Substance P; Preprotachykinin; Superior cervical ganglion; Tissue culture; Conditioned medium; Gene expression; Glia (Lentz, S.I. (73) 35)

Neurotrophic
Development; Embryonic; Glossopharyngeal nerve; Induction; Stem cell; Taste (Oakley, B. (72) 259)

Neurotrophic effect
Microglia; Plasminogen; Dopaminergic neuron; GABA neuron; Culture (Nagata, K. (75) 31)

Fetal human astrocyte; Fetal human neuron; Immunoblotting; Midkine (Satoh, J.-i. (75) 201)

Neurotrophic factor
Dorsal root ganglion; Development; Chick embryo; Monoclonal antibody (Scott, S.A. (75) 175)

Neurotrophic influence
Neuromuscular development; Acetylcholine receptor expression, embryonic and adult; Synaptic imprinting; Muscle-cell culture; Patch clamp; Single-channel recording (Carlson, C.G. (72) 245)

Neurotrophin
Receptor; In situ hybridization; Gene regulation; Ontogeny (Ringstedt, T. (72) 119)

Nerve growth factor; Nerve growth factor receptor; trk; Dorsal root ganglion; Neural crest; Quail; Avian (Speight, J.L. (75) 55)

Cranial ganglion; Development; In situ hybridization; mRNA; Sensory neuron; Tyrosine kinase receptor (Williams, R. (75) 235)

Newborn
Hypoxia; Carbon monoxide; Ornithine decarboxylase; Fetus (Packianathan, S. (76) 131)

Newborn rat
Climbing fiber synaptogenesis; Cerebellar development; Parvalbumin immunocytochemistry; Ultrastructure (Chedotal, A. (76) 207)

NG108–15 cell
Spinal cord; Neuronal development; Neuronal repair; Plasma membrane; Substrate; Cell differentiation (Ethell, D.W. (72) 1)

Nicotine
Adrenal medulla; Enkephalin; Proenkephalin; Carboxypeptidase E (McMillian, M.K. (71) 75)

Nitric oxide
Nitric oxide synthase; Central nervous system; Cyclic guanosine monophosphate; Citrulline; Development (Matsumoto, T. (73) 199)

Development; NADPH-diaphorase; Superior colliculus; Lateral geniculate body (González-Hernández, T. (76) 141)

Diaphorase; Spinal ganglia; Autonomic nervous system; Visceral afferent; Embryogenesis; Rodent (Wetts, R. (76) 278)

Nitric oxide synthase
Nitric oxide; Central nervous system; Cyclic guanosine monophosphate; Citrulline; Development (Matsumoto, T. (73) 199)

NMDA
Long-term depression; Hippocampus; Synaptic plasticity; Development; 2-Amino-5-phosphonopentanoic acid; Long-term potentiation; Ontogeny (Velíšek, L. (75) 253)

NMDA antagonist
Chronic treatment; Development; Body weight; Brain weight; Neurochemistry; Spontaneous motility (Facchinetti, F. (74) 219)

NMDA receptor
Excitatory postsynaptic potential; Postnatal development; Plasticity; Visual cortex; Slice preparation; Cat (Iwakiri, M. (74) 89)

NMDA receptor complex
Phencyclidine; Gestational exposure; Dopamine; Release; Development (Ali, S.F. (73) 25)

Noradrenaline
Clenbuterol; β-Adrenoceptor; 3-Methoxy-4-hydroxyphenylglycol; Monoamine metabolism; Postnatal brain development (Erdtsieck-Ernste, E.B.H.W. (71) 27)

Serotonin; Human development; Brainstem; Spinal cord; Human (Sundström, E. (75) 1)

Norepinephrine
Cocaine; Development; Dopamine; Sexual behavior; Open field activity (Vathy, I. (73) 115)

Cortex; Development; Afterhyperpolarization; Repetitive firing; Modulation (Lorenzon, N.M. (73) 213)

Northern blot analysis
Ontogeny; 14-3-3 η subtype mRNA; In situ hybridization histochemistry; Rat; Brain (Watanabe, M. (73) 225)

Norve growth factor
Chick embryo; Ethanol; In ovo; Intracerebral; Cholinergic neuron; Choline acetyltransferase; Neuronotropic (Rahman, H. (76) 256)

Nuclear magnetic resonance spectroscopy
Rat; Phosphocreatine; ATP; pH; Seizure (Jensen, F. (73) 99)

Nucleus isthmi
Tectal afferent; Topographic map; Visual development; *Rana pipiens* (Debski, E.A. (72) 21)

Nucleus tractus solitarii
Development; Respiration; Apneusis; Rhytmic activity; Excitatory amino acid; Cardiovascular (Salès, N. (75) 113)

O

Oculomotor system
Lamprey; Development; Migration; Motoneuron; Perikaryal translocation (Fritzsch, B. (74) 122)

Offspring
Prenatal stress; Hypothalamic β-endorphin level (Sánchez, M.D. (74) 142)

Olfaction
Olfactory development; Olfactory glomerulus; Rat brain development; Neonate; Periglomerular cell; Neurohistochemistry; Neurostereology (Meisami, E. (71) 253)

Olfactory bulb
Mouse embryo; Fetal surgery; Laser; Arhinencephaly; Corpus callosum; Anterior commissure; Kallmann's syndrome (Naruse, I. (71) 69)

Olfactory cortex
Ornithine decarboxylase; Excitotoxic induction; Brain development; Hippocampus; Amygdala (Ciani, E. (71) 258)

Olfactory development
Olfactory glomerulus; Olfaction; Rat brain development; Neonate; Periglomerular cell; Neurohistochemistry; Neurostereology (Meisami, E. (71) 253)

Olfactory epithelium
Olfactory receptor; Transduction; Development; RT-PCR (Margalit, T. (73) 7)

Thyroid hormone; Thyroxine; Olfactory neural development; Olfactory receptor neuron; Basal cell; Supporting cell; Thyroid and neural development; Critical period; Compensatory neural growth; Morphometry; Cell number (Paternostro, M.A. (76) 151)

Olfactory glomerulus
Olfactory development; Olfaction; Rat brain development; Neonate; Periglomerular cell; Neurohistochemistry; Neurostereology (Meisami, E. (71) 253)

Olfactory marker protein
Luteinizing hormone-releasing hormone; Migration; Olfactory system; Development (Valverde, F. (71) 209)

Olfactory neural development
Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory receptor neuron; Basal cell; Supporting cell; Thyroid and neural development; Critical period; Compensatory neural growth; Morphometry; Cell number (Paternostro, M.A. (76) 151)

Olfactory receptor
Olfactory epithelium; Transduction; Development; RT-PCR (Margalit, T. (73) 7)

Olfactory receptor neuron
Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory neural development; Basal cell; Supporting cell; Thyroid and neural development; Critical period; Compensatory neural growth; Morphometry; Cell number (Paternostro, M.A. (76) 151)

Olfactory system
Olfactory marker protein; Luteinizing hormone-releasing hormone; Migration; Development (Valverde, F. (71) 209)

Synaptic vesicle; Development; Rat; Synaptophysin; Synaptoporin; Hybridization histochemistry; Immunocytochemistry (Bergmann, M. (74) 235)

Oligodendrocyte
Astrocyte; Development; Striate cortex; Cortical plasticity; Glial fibrillary acidic protein; Immunocytochemistry (Dyck, R.H. (72) 181)

Glial precursor cell; Astrocyte; Development; Cell isolation; Immunocytochemistry (Norton, W.T. (72) 193)

Olivocochlear efferent innervation
GABA; Cochlea; Rat (Merchán-Pérez, A. (76) 33)

Ontogenesis
Synaptic plasticity; Development; Long-term potentiation; Organotypic culture; Hippocampus; Rat (Muller, D. (71) 93)

Ontogeny
Neurotrophin; Receptor; In situ hybridization; Gene regulation (Ringstedt, T. (72) 119)

Vassopressin mRNA; Bed nucleus of the stria terminalis; Medial amygdala; Sexual dimorphism (Szot, P. (73) 177)

14-3-3 η subtype mRNA; In situ hybridization histochemistry; Northern blot analysis; Rat; Brain (Watanabe, M. (73) 225)

Brainstem; Endothelin; Dorsal medulla; Respiration; Ventral medulla (Srinivasan, M. (74) 117)

Adrenergic; Tupaia; α_2-Adrenoceptor; Tree shrew brain (Flügge, G. (74) 163)

Growth hormone receptor; Growth hormone-binding protein; mRNA; Hypothalamus (Hasegawa, O. (74) 287)

Long-term depression; Hippocampus; NMDA; Synaptic plasticity; Development; 2-Amino-5-phosphonopentanoic acid; Long-term potentiation (Velíšek, L. (75) 253)

Synaptic vesicle; Large dense core vesicle; Neuropeptide; In situ hybridization (Mahata, M. (76) 43)

Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Supersensitization; Priming (Gong, L. (76) 59)

Cannabinoid; Neonate; Cerebellum; Brainstem; Forebrain (McLaughlin, C.R. (76) 75)

Dopamine; 5-Hydroxytryptamine; Oral activity; Supersensitivity; 6-Hydroxydopamine (Kostrzewa, R.M. (76) 87)

Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Supersensitization; Oral activity (Gong, L. (76) 233)

Open field activity
Cocaine; Development; Norepinephrine; Dopamine; Sexual behavior (Vathy, I. (73) 115)

Opiate
Rett syndrome; Post-mortem analysis; Acetylcholine; Glutamate; Neurotensin (Wenk, G.L. (74) 67)

Antiopiate; Analgesia; Rat; Blood–brain barrier; Transport; Tyr-MIF-1; Morphine (Harrison, L.M. (75) 207)

Opioid
Morphine; Glial development; Gliogenesis; Cell death; Neurotoxicology (Gurwell, J.A. (76) 293)

Opioid peptide
Medial preoptic area; Development; Enkephalin; Endorphin (Ge, F. (73) 273)

Endogenous opiate; Neuroblast; Cell division; Cerebellar cortex; Neuronal plasticity; Nervous system development; Cell differentiation; In situ hybridization; Immunocytochemistry (Osborne, J.G. (76) 1)

Glial differentiation; Murine primary culture; κ Opioid receptor; Reactive astrocyte hypertrophy; Fura-2/AM; Fluo-3AM (Stiene-Martin, A. (76) 189)

Opossum
Development; Myelin; Myelin basic protein; Spinal cord (Ghooray, G.T. (72) 67)

Propriospinal; Spinal cord; Descending control; Cervical; Lumbosacral; Development; Retrograde tracing (Cassidy, G. (72) 291)

Aromatase; Brain; Marsupial; Development (Fadem, B.H. (74) 199)

Optic axon
Axonal guidance; Molecular layer; White matter; Transplantation; M6 antibody (Hankin, M. (75) 146)

Optic nerve
γ-Aminobutyric acid; Receptor; Myelination; Myelin-deficient rat (Lim, J.Y. (72) 15)

Metabotropic glutamate receptor; Synaptic plasticity; Retinal development; Rat (Fix, A.S. (75) 223)

Oral activity
Dopamine; 5-Hydroxytryptamine; Supersensitivity; Ontogeny; 6-Hydroxydopamine (Kostrzewa, R.M. (76) 87)

Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization (Gong, L. (76) 233)

Organotypic culture
Synaptic plasticity; In vitro development; Rat; Hippocampus; Ultrastructure (Buchs, P.-A. (71) 81)

Synaptic plasticity; Development; Ontogenesis; Long-term potentiation; Hippocampus; Rat (Muller, D. (71) 93)

Ornithine decarboxylase
Cerebellum mRNA; Neocortex; Rat (Zawia, N.H. (71) 53)

Excitotoxic induction; Brain development; Hippocampus; Olfactory cortex; Amygdala (Ciani, E. (71) 258)

Hypoxia; Carbon monoxide; Fetus; Newborn (Packianathan, S. (76) 131)

Ovariectomy
Estrogen; Sensitive period; Sex difference; Cerebral cortex (Mack, C.M. (71) 115)

Oxytocin
Tyrosine hydroxylase; Human hypothalamus; Paraventricular nucleus; Supraoptic nucleus; Development; Vasopressin (Panayotacopoulou, M.T. (72) 145)

Prodynorphin; Vasopressin; Hypothalamus; Development; Rat; In situ hybridization (Laurent-Huck, F.M. (75) 45)

P

Paraventricular nucleus
Tyrosine hydroxylase; Human hypothalamus; Supraoptic nucleus; Development; Vasopressin; Oxytocin (Panayotacopoulou, M.T. (72) 145)

Parkinson's disease
Thy-1; Striatum; Substantia nigra; Dopamine; Development (Shults, C.W. (75) 136)

Pars tuberalis
Melatonin; Suprachiasmatic nucleus; Circadian timing system; Pineal (Duncan, M.J. (73) 205)

Parvalbumin immunocytochemistry
Climbing fiber synaptogenesis; Cerebellar development; Ultrastructure; Newborn rat (Chedotal, A. (76) 207)

Patch clamp
Neuromuscular development; Acetylcholine receptor expression, embryonic and adult; Neurotrophic influence; Synaptic imprinting; Muscle-cell culture; Single-channel recording (Carlson, C.G. (72) 245)

PC12 cell
Hippocampus; Embryogenesis; Histochemistry; Alzheimer's disease (Fukuyama, R. (74) 127)

Gelsolin; Actin; Growth cone; Ca^{2+}; Cell motility; Neuron (Tanaka, J. (76) 268)

PD 123319
Spontaneously hypertensive rat; Losartan; Blood pressure; Angiotensin II; Intracerebroventricular (Toney, G.M. (71) 193)

Peppermint
Fos-like immunoreactivity; Mouse olfactory bulb; Precocious puberty; Male bedding odor (Schellinck, H.M.I. (74) 138)

Peptide YY
Neuropeptide Y; Neuropeptide Y_1 receptor; Dorsal root ganglion; Rat development (Jazin, E.E. (76) 105)

Periglomerular cell
Olfactory development; Olfactory glomerulus; Olfaction; Rat brain development; Neonate; Neurohistochemistry; Neurostereology (Meisami, E. (71) 253)

Perikaryal translocation
Oculomotor system; Lamprey; Development; Migration; Motoneuron (Fritzsch, B. (74) 122)

Perinatal
Cocaine; Sexual differentiation; Sexually dimorphic nucleus; Hypothalamus; Rat (Maecker, H.L. (76) 288)

Perineuronal
Iron histochemistry; Myelin; Cerebral cortex (LeVine, S.M. (75) 279)

Peripheral nervous system
Mouse; Splotch mutant; Neural crest; HCMV-IEP-lacZ transgene; Sympathetic trunk (Franz, T. (72) 99)

pH
Rat; Phosphocreatine; ATP; Nuclear magnetic resonance spectroscopy; Seizure (Jensen, F. (73) 99)

Pharmacokinetics
Caffeine; Theophylline; Theobromine; Embryotoxicity; Brain; Methylxanthine (Wilkinson, J.M. (75) 193)

Phencyclidine
Gestational exposure; Dopamine; Release; NMDA receptor complex; Development (Ali, S.F. (73) 25)

Phenobarbital
Early exposure; GABA uptake; GABA receptor; Benzodiazepine receptor; Hippocampus (Pick, C.G. (74) 111)

Phenotype
Enkephalin; *N*-Methyl-D-aspartate; Development; Central nervous system (Summers, R.W. (73) 185)

Phenotype determination
Central nervous system development; Cerebral cortex; Hypothalamus; Sexual differentiation; Gonadal steroid (O'Keefe, J.A. (75) 105)

Phorbol ester
Neonate; Hippocampus; Phosphorylation; Glutamate; MARCKS (Shaffer, L.M. (73) 133)

Phosphocreatine
Rat; ATP; pH; Nuclear magnetic resonance spectroscopy; Seizure (Jensen, F. (73) 99)

Phosphorylation
Neonate; Hippocampus; Phorbol ester; Glutamate; MARCKS (Shaffer, L.M. (73) 133)

Photoreceptor
6-Hydroxydopamine; Tunicamycin; Differentiation; Retina; Immunocytochemistry; Goldfish; Retinal regeneration (Braisted, J.E. (76) 221)

Phrenic
Piglet; Recurrent laryngeal; Hypoxia; Central pattern generator (Steele, A.M. (74) 57)

Picrotoxin
Strychnine; γ-Aminobutyric acid; Bicuculline; Chloride channel (Siebler, M. (73) 289)

Picrotoxinin binding site
Neuronal primary culture; *t*-Butylbicyclophosphorothionate; γ-Aminobutyric $acid_A$ receptor; Convulsant; Cyclodiene; Hexachlorocyclohexane (Pomés, A. (73) 85)

Piglet
Phrenic; Recurrent laryngeal; Hypoxia; Central pattern generator (Steele, A.M. (74) 57)

Pineal
Melatonin; Suprachiasmatic nucleus; Pars tuberalis; Circadian timing system (Duncan, M.J. (73) 205)

Placode
Neural cell adhesion molecule; Trigeminal ganglion; Axon outgrowth; Vibrissa; Development (Scarisbrick, I.A. (71) 121)

Plasma membrane
Spinal cord; Neuronal development; Neuronal repair; Substrate; Cell differentiation; NG108–15 cell (Ethell, D.W. (72) 1)

Plasminogen
Microglia; Dopaminergic neuron; GABA neuron; Neurotrophic effect; Culture (Nagata, K. (75) 31)

Plasticity
NMDA receptor; Excitatory postsynaptic potential; Postnatal development; Visual cortex; Slice preparation; Cat (Iwakiri, M. (74) 89)

Quail-chick chimera; Rostrocaudal polarity; Mesencephalon rotation; Circumferential axon (Matsuno, T. (75) 39)

Radial glia; Fibronectin; Bergmann glia; Tyrosine phosphatase; Axonal guidance; Ventricular zone; Neuronal migration (Canoll, P.D. (75) 293)

Pleiotrophin
Heparin-binding growth factor; In situ hybridization; Developmental expression (Wanaka, A. (72) 133)

Polyamine
S-Adenosylmethionine decarboxylase; Spermine; Spermidine; Aging (Morrison, L.D. (73) 237)

Hippocampus; Development; Gene regulation; Seizure (Najm, I. (74) 193)

Polymerase chain reaction
$GABA_A$ receptor; Development; Differentiation; Cerebellar granule cell (Zheng, T. (75) 91)

Polysialic acid
Neural cell adhesion molecule; Spinal cord; Development; Ascending pathway; Sensory system (Seki, T. (73) 141)

Post-mortem analysis
Rett syndrome; Acetylcholine; Glutamate; Opiate; Neurotensin (Wenk, G.L. (74) 67)

Postnatal brain development
Clenbuterol; β-Adrenoceptor; Noradrenaline; 3-Methoxy-4-hydroxyphenylglycol; Monoamine metabolism (Erdtsieck-Ernste, E.B.H.W. (71) 27)

Postnatal development
Glutamate release; Synaptosome; Hippocampus; Cortex (Collard, K.J. (71) 37)

Visual cortex; Extrastriate cortex; Subplate; Somatostatin; GABAergic subpopulation; Cat (Hogan, D. (71) 221)

NMDA receptor; Excitatory postsynaptic potential; Plasticity; Visual cortex; Slice preparation; Cat (Iwakiri, M. (74) 89)

Bilirubin; Kernicterus; 2-Deoxyglucose (Roger, C. (76) 115)

Cerebral blood flow; Iodoantipyrine; Autoradiography; Hypoxia (Bilger, A. (76) 197)

Precocious puberty
Fos-like immunoreactivity; Mouse olfactory bulb; Male bedding odor; Peppermint (Schellinck, H.M.I. (74) 138)

Prenatal
Cocaine; Fetus; Metabolism; Glucose; Cerebral (Burchfield, D.J. (73) 283)

Prenatal brain lesion
Caudate nucleus; Quantitative morphometrics; Brain development (Loopuijt, L.D. (71) 59)

Prenatal stress
Offspring; Hypothalamic β-endorphin level (Sánchez, M.D. (74) 142)

Preoptic area
Sexual differentiation; Gonadal steroid; Hypothalamus; Cell migration (Tobet, S.A. (72) 167)

Testosterone; Estrogen; GAP-43; Hypothalamus; Cerebral cortex (Shughrue, P.J. (73) 123)

Preprotachykinin
Substance P; Superior cervical ganglion; Neurotransmitter phenotype; Tissue culture; Conditioned medium; Gene expression; Glia (Lentz, S.I. (73) 35)

Primary afferent
Barrel; Trigeminal; Galanin; Immunocytochemistry; Vibrissa (White, F.A. (72) 314)

Primate
Arcuate fascicle; Axon; Ganglion cell; Fovea; Misdirection (Steineke, T.C. (74) 151)

Priming
Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Ontogeny; Supersensitization (Gong, L. (76) 59)

Prodynorphin
Oxytocin; Vasopressin; Hypothalamus; Development; Rat; In situ hybridization (Laurent-Huck, F.M. (75) 45)

Proenkephalin
Adrenal medulla; Enkephalin; Carboxypeptidase E; Nicotine (McMillian, M.K. (71) 75)

Proliferation
Schwann cell; Sciatic nerve; Glia; Estradiol; Steroid hormone; Cyclic adenosine monophosphate; Receptor (Jung-Testas, I. (72) 282)

Retina; Teleost; Insulin-like growth factor; Fibroblast growth factor; Differentiation (Mack, A.F. (76) 183)

Propidium iodide
Lactate dehydrogenase; Granule cell; Mitochondrion; Protein loss; Rhodamine 123 (Juurlink, B.H.J. (71) 239)

Proprioception
Sensory neuron; Dorsal root ganglion; Carbonic anhydrase; Development; Mammalian (Mayeux, V. (71) 201)

Propriospinal
Spinal cord; Descending control; Cervical; Lumbosacral; Development; Opossum; Retrograde tracing (Cassidy, G. (72) 291)

Protease
Agrin; Rat; Inhibitor; Expression; mRNA; Neuromuscular junction; In situ hybridization (Biroc, S.L. (75) 119)

Protein
Avian; Embryonic; Spinal cord; Two-dimensional gel electrophoresis; Regeneration (Ethell, D.W. (76) 163)

Protein loss
Lactate dehydrogenase; Granule cell; Mitochondrion; Propidium iodide; Rhodamine 123 (Juurlink, B.H.J. (71) 239)

Proteoglycan
Development; Keratan sulfate; Astrocyte; Cortex; Thalamus; Axonal growth (Geisert Jr., E.E. (75) 163)

Versican; Developmental regulation; Hyaluronate; Brain development (Crawford, T.J. (76) 264)

Purkinje cell
Cerebellum; Development (Grunwald, G.B. (73) 146)

Fetal cerebellar graft; Stereotaxic implantation; Axonal sprouting; Blood–brain barrier; Anti-Leu-4 (CD3); Immunohistochemistry (Gerloff, C. (74) 30)

Pyramidal neuron
Neurotoxicity; Glutamate; Trophic factor; Neuroprotection; Ganglioside; Hippocampus (Skaper, S.D. (71) 1)

Acetylcholinesterase histochemistry; Developmentally transient; Cerebral cortex; Rat brain (Geula, C. (76) 23)

Q

Quail
Nerve growth factor; Neurotrophin; Nerve growth factor receptor; trk; Dorsal root ganglion; Neural crest; Avian (Speight, J.L. (75) 55)

Quail-chick chimera
Rostrocaudal polarity; Plasticity; Mesencephalon rotation; Circumferential axon (Matsuno, T. (75) 39)

Quantal analysis
Synaptogenesis; Glutamate receptor; GABA receptor; Retina development; Inhibitory postsynaptic current; Excitatory postsynaptic current (Rörig, B. (74) 98)

Quantitative morphometrics
Prenatal brain lesion; Caudate nucleus; Brain development (Loopuijt, L.D. (71) 59)

R

Radial glia
Development; Gliogenesis; GFAP; Glutamine synthetase; Immunohistochemistry (Akimoto, J. (72) 9)

Plasticity; Fibronectin; Bergmann glia; Tyrosine phosphatase; Axonal guidance; Ventricular zone; Neuronal migration (Canoll, P.D. (75) 293)

Radial glial cell
Glial fascicle; Neuronal–glial unit; Corticogenesis; Mammalian evolution (Gressens, P. (76) 272)

Rana pipiens
Tectal afferent; Nucleus isthmi; Topographic map; Visual development (Debski, E.A. (72) 21)

Rat
Ornithine decarboxylase; Cerebellum mRNA; Neocortex (Zawia, N.H. (71) 53)

Synaptic plasticity; In vitro development; Hippocampus; Organotypic culture; Ultrastructure (Buchs, P.-A. (71) 81)

Synaptic plasticity; Development; Ontogenesis; Long-term potentiation; Organotypic culture; Hippocampus (Muller, D. (71) 93)

Inositol 1,4,5-trisphosphate; Inositol 1,3,4,5-tetrakisphosphate; Inositol 1,4,5-trisphosphate 3-kinase; Immunohistochemistry; Cerebellum; Development; Ultrastructure (Yamada, M. (71) 137)

γ-Aminobutyric acid; Differentiation; Immunocytochemistry; In situ hybridization; Spinal cord (Behar, T. (72) 203)

Striatum; Development; Synaptic vesicle protein; Immunocytochemistry; In situ hybridization (Ovtscharoff, W. (72) 219)

GABA; Glutamic acid decarboxylase; Immunocytochemistry; Embryo; Spinal cord; Gradient (Schaffner, A.E. (72) 265)

Superior colliculus; Development; Spontaneous activity; Evoked response (Molotchnikoff, S. (72) 300)

HBL 14 lectin; Cochlea; Hair cell; Supporting cell; Development (Remezal, M. (73) 1)

Brain; Angiotensinogen; mRNA; Aging; In situ hybridization (Bunnemann, B. (73) 41)

Kindling; Neonatal; Amygdala; Seizure; Epilepsy model (Baram, T.Z. (73) 79)

Phosphocreatine; ATP; pH; Nuclear magnetic resonance spectroscopy; Seizure (Jensen, F. (73) 99)

Dopamine; Hypothalamus; Tyrosine hydroxylase-immunocytochemistry; [^{3}H]Thymidine autoradiography; Development (Borisova, N.A. (73) 173)

Ontogeny; 14-3-3 η subtype mRNA; In situ hybridization histochemistry; Northern blot analysis; Brain (Watanabe, M. (73) 225)

Corticotropin releasing factor; Glucocorticoid; Stress; Neonatal; Development; Hypothalamus (Yi, S.-J. (73) 253)

Olfactory system; Synaptic vesicle; Development; Synaptophysin; Synaptoporin; Hybridization histochemistry; Immunocytochemistry (Bergmann, M. (74) 235)

Cocaine; Striatum; Development; Serotonin; Dopamine; Striatal patch (Snyder-Keller, A.M. (74) 261)

Prodynorphin; Oxytocin; Vasopressin; Hypothalamus; Development; In situ hybridization (Laurent-Huck, F.M. (75) 45)

Agrin; Protease; Inhibitor; Expression; mRNA; Neuromuscular junction; In situ hybridization (Biroc, S.L. (75) 119)

Maternal regulation; Hypothalamic-pituitary-adrenal axis; Development; Maternal deprivation; Stress (Suchecki, D. (75) 185)

Opiate; Antiopiate; Analgesia; Blood–brain barrier; Transport; Tyr-MIF-1; Morphine (Harrison, L.M. (75) 207)

Metabotropic glutamate receptor; Synaptic plasticity; Retinal development; Optic nerve (Fix, A.S. (75) 223)

GABA; Cochlea; Olivocochlear efferent innervation (Merchán-Pérez, A. (76) 33)

Excitability; Seizure; Hippocampal slice; CA1 region; Immature brain; Extracellular K^+ concentration; Spreading depression (Kreisman, N.R. (76) 67)

Cocaine; Sexual differentiation; Sexually dimorphic nucleus; Hypothalamus; Perinatal (Maecker, H.L. (76) 288)

Rat brain
Acetylcholinesterase histochemistry; Developmentally transient; Cerebral cortex; Pyramidal neuron (Geula, C. (76) 23)

Rat brain development
Olfactory development; Olfactory glomerulus; Olfaction; Neonate; Periglomerular cell; Neurohistochemistry; Neurostereology (Meisami, E. (71) 253)

Rat development
Peptide YY; Neuropeptide Y; Neuropeptide Y_1 receptor; Dorsal root ganglion (Jazin, E.E. (76) 105)

Rat hippocampus
Identified neuron; Cell culture; Electrophysiology; Development (Yang, J. (71) 19)

Rat retina
Immunohistochemistry; Tyrosine hydroxylase; Development (Wu, D.K. (74) 253)

Rat, young and adult
Epileptiform discharge; Tetraethylammonium; Excitatory amino acid antagonist; Bicuculline methiodide; Hippocampal slice (Fueta, Y. (72) 51)

Reactive astrocyte hypertrophy
Glial differentiation; Murine primary culture; κ Opioid receptor; Opioid peptide; Fura-2/AM; Fluo-3AM (Stiene-Martin, A. (76) 189)

Receptor
γ-Aminobutyric acid; Myelination; Myelin-deficient rat; Optic nerve (Lim, J.Y. (72) 15)

Neurotrophin; In situ hybridization; Gene regulation; Ontogeny (Ringstedt, T. (72) 119)

Schwann cell; Sciatic nerve; Glia; Estradiol; Steroid hormone; Cyclic adenosine monophosphate; Proliferation (Jung-Testas, I. (72) 282)

Recurrent laryngeal
Piglet; Phrenic; Hypoxia; Central pattern generator (Steele, A.M. (74) 57)

Regeneration
Avian; Embryonic; Spinal cord; Protein; Two-dimensional gel electrophoresis (Ethell, D.W. (76) 163)

Release
Phencyclidine; Gestational exposure; Dopamine; NMDA receptor complex; Development (Ali, S.F. (73) 25)

Repetitive firing
Cortex; Development; Afterhyperpolarization; Norepinephrine; Modulation (Lorenzon, N.M. (73) 213)

Respiration
Brainstem; Endothelin; Dorsal medulla; Ontogeny; Ventral medulla (Srinivasan, M. (74) 117)

Development; Apneusis; Rhytmic activity; Excitatory amino acid; Nucleus tractus solitarii; Cardiovascular (Salès, N. (75) 113)

Retina
Insulin receptor; Amacrine cell; Insulin; Immunohistochemistry; Chick; Development (Hyndman, A.G. (75) 289)

Teleost; Insulin-like growth factor; Fibroblast growth factor; Proliferation; Differentiation (Mack, A.F. (76) 183)

6-Hydroxydopamine; Tunicamycin; Differentiation; Photoreceptor; Immunocytochemistry; Goldfish; Retinal regeneration (Braisted, J.E. (76) 221)

Cell death; Kitten; Retinal ganglion cell; Microglia; Displaced amacrine (Pearson, H.E. (76) 249)

Retinal development
Catecholamine; Neurogenesis; Dopamine (Gardino, P.F. (72) 226)

Synaptogenesis; Glutamate receptor; GABA receptor; Quantal analysis; Inhibitory postsynaptic current; Excitatory postsynaptic current (Rörig, B. (74) 98)

Metabotropic glutamate receptor; Synaptic plasticity; Optic nerve; Rat (Fix, A.S. (75) 223)

Retinal ganglion cell
Chondroitin sulfate proteoglycan; Superior colliculus; Mouse; Explantation; Chick chorioallantoic membrane (Huxlin, K.R. (74) 207)

Cell death; Kitten; Retina; Microglia; Displaced amacrine (Pearson, H.E. (76) 249)

Retinal lesion
Developmental plasticity; Retinotopy; Binocular congruence; Superior colliculus (Hanson, E.S. (73) 293)

Retinal regeneration
6-Hydroxydopamine; Tunicamycin; Differentiation; Retina; Photoreceptor; Immunocytochemistry; Goldfish (Braisted, J.E. (76) 221)

Retinohypothalamic tract
Suprachiasmatic nucleus; Lateral hypothalamus; Retrochiasmatic area; Circadian rhythm; Synaptogenesis; Synapsin (Speh, J.C. (76) 171)

Retinoic acid
Muscarinic receptor; Differentiation; Sk-N-SH neuroblastoma (Baumgartner, M.K. (72) 305)

Retinotopy
Developmental plasticity; Binocular congruence; Superior colliculus; Retinal lesion (Hanson, E.S. (73) 293)

Retrochiasmatic area
Suprachiasmatic nucleus; Retinohypothalamic tract; Lateral hypothalamus; Circadian rhythm; Synaptogenesis; Synapsin (Speh, J.C. (76) 171)

Retrograde tracing
Propriospinal; Spinal cord; Descending control; Cervical; Lumbosacral; Development; Opossum (Cassidy, G. (72) 291)

Retrovirus
Granule cell; Cerebellum; Allocation (Miyake, T. (74) 245)

Rett syndrome
Post-mortem analysis; Acetylcholine; Glutamate; Opiate; Neurotensin (Wenk, G.L. (74) 67)

Rhodamine 123
Lactate dehydrogenase; Granule cell; Mitochondrion; Propidium iodide; Protein loss (Juurlink, B.H.J. (71) 239)

Rhytmic activity
Development; Respiration; Apneusis; Excitatory amino acid; Nucleus tractus solitarii; Cardiovascular (Salès, N. (75) 113)

14-3-3 η subtype mRNA
Ontogeny; In situ hybridization histochemistry; Northern blot analysis; Rat; Brain (Watanabe, M. (73) 225)

mRNA
Brain; Angiotensinogen; Aging; In situ hybridization; Rat (Bunnemann, B. (73) 41)

Growth hormone receptor; Localization; Brain; Immunohistochemistry (Lobie, P.E. (74) 225)

Ontogeny; Growth hormone receptor; Growth hormone-binding protein; Hypothalamus (Hasegawa, O. (74) 287)

Agrin; Rat; Protease; Inhibitor; Expression; Neuromuscular junction; In situ hybridization (Biroc, S.L. (75) 119)

Cranial ganglion; Development; In situ hybridization; Neurotrophin; Sensory neuron; Tyrosine kinase receptor (Williams, R. (75) 235)

Rodent
Diaphorase; Nitric oxide; Spinal ganglia; Autonomic nervous system; Visceral afferent; Embryogenesis (Wetts, R. (76) 278)

Rostrocaudal polarity
Quail-chick chimera; Plasticity; Mesencephalon rotation; Circumferential axon (Matsuno, T. (75) 39)

RT-PCR
Olfactory epithelium; Olfactory receptor; Transduction; Development (Margalit, T. (73) 7)

S

Schwann cell
Sciatic nerve; Glia; Estradiol; Steroid hormone; Cyclic adenosine monophosphate; Proliferation; Receptor (Jung-Testas, I. (72) 282)

Sciatic nerve
Schwann cell; Glia; Estradiol; Steroid hormone; Cyclic adenosine monophosphate; Proliferation; Receptor (Jung-Testas, I. (72) 282)

Seizure
Carbonic anhydrase deficiency; Mouse; Flurothyl; Development (Velíšek, L. (72) 321)

Kindling; Epilepsy (Holmes, G.L. (73) 71)

Kindling; Neonatal; Amygdala; Rat; Epilepsy model (Baram, T.Z. (73) 79)

Rat; Phosphocreatine; ATP; pH; Nuclear magnetic resonance spectroscopy (Jensen, F. (73) 99)

Hippocampus; Development; Polyamine; Gene regulation (Najm, I. (74) 193)

Excitability; Hippocampal slice; CA1 region; Immature brain; Rat; Extracellular K^+ concentration; Spreading depression (Kreisman, N.R. (76) 67)

Sensitive period
Estrogen; Ovariectomy; Sex difference; Cerebral cortex (Mack, C.M. (71) 115)

Sensory neuron
Dorsal root ganglion; Carbonic anhydrase; Proprioception; Development; Mammalian (Mayeux, V. (71) 201)

Cranial ganglion; Development; In situ hybridization; mRNA; Neurotrophin; Tyrosine kinase receptor (Williams, R. (75) 235)

Sensory system
Neural cell adhesion molecule; Polysialic acid; Spinal cord; Development; Ascending pathway (Seki, T. (73) 141)

Septal-hipoocampal
Acetylcholine synthesis; AF64A; Neuronal culture; Striatal (Meyer, E.M. (74) 51)

Serotonin
Cocaine; Striatum; Development; Dopamine; Striatal patch; Rat (Snyder-Keller, A.M. (74) 261)

Noradrenaline; Human development; Brainstem; Spinal cord; Human (Sundström, E. (75) 1)

Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

Serotonin receptor
Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

Sex difference
Estrogen; Sensitive period; Ovariectomy; Cerebral cortex (Mack, C.M. (71) 115)

Sexual behavior
Cocaine; Development; Norepinephrine; Dopamine; Open field activity (Vathy, I. (73) 115)

Sexual differentiation
Gonadal steroid; Hypothalamus; Preoptic area; Cell migration (Tobet, S.A. (72) 167)

Meriones unguiculatus; Sexually dimorphic area pars compacta; Cell death (Ulibarri, C.M. (74) 14)

Central nervous system development; Cerebral cortex; Hypothalamus; Phenotype determination; Gonadal steroid (O'Keefe, J.A. (75) 105)

Cocaine; Sexually dimorphic nucleus; Hypothalamus; Rat; Perinatal (Maecker, H.L. (76) 288)

Sexual dimorphism
Ontogeny; Vassopressin mRNA; Bed nucleus of the stria terminalis; Medial amygdala (Szot, P. (73) 177)

Bed nucleus of the accessory olfactory tract; Hormonal mechanism; Estradiol; Dihydrotestosterone; Vomeronasal system (Collado, P. (75) 285)

Sexually dimorphic area pars compacta
Meriones unguiculatus; Sexual differentiation; Cell death (Ulibarri, C.M. (74) 14)

Sexually dimorphic nucleus
Cocaine; Sexual differentiation; Hypothalamus; Rat; Perinatal (Maecker, H.L. (76) 288)

Single-channel recording
Neuromuscular development; Acetylcholine receptor expression, embryonic and adult; Neurotrophic influence; Synaptic imprinting; Muscle-cell culture; Patch clamp (Carlson, C.G. (72) 245)

Skeletal muscle
Sympathonectin; Laminin; Heart conditioned medium; Sympathetic innervation; Heart (Kuromi, H. (72) 159)

SKF 38393
Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; Ontogeny; Supersensitization; Priming (Gong, L. (76) 59)

Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Supersensitization; Oral activity (Gong, L. (76) 233)

Sk-N-SH neuroblastoma
Muscarinic receptor; Retinoic acid; Differentiation (Baumgartner, M.K. (72) 305)

Slice preparation
NMDA receptor; Excitatory postsynaptic potential; Postnatal development; Plasticity; Visual cortex; Cat (Iwakiri, M. (74) 89)

Somal size
Spinal nucleus of the bulbocavernosus; Horseradish peroxidase; Dendrodendritic interaction; Dendritic extent; Arbor area (Goldstein, L.A. (73) 151)

Somatosensory system
Development; Dorsal column nucleus; Medial lemniscus; Tract tracing; Anuran (Múñoz, A. (74) 291)

Somatostatin
Visual cortex; Extrastriate cortex; Subplate; GABAergic subpopulation; Postnatal development; Cat (Hogan, D. (71) 221)

Spermidine
S-Adenosylmethionine decarboxylase; Polyamine; Spermine; Aging (Morrison, L.D. (73) 237)

Spermine
S-Adenosylmethionine decarboxylase; Polyamine; Spermidine; Aging (Morrison, L.D. (73) 237)

Spinal cord
Frog; Neuron number; Development (Farel, P.B. (71) 169)

Neuronal development; Neuronal repair; Plasma membrane; Substrate; Cell differentiation; NG108–15 cell (Ethell, D.W. (72) 1)

Development; Myelin; Myelin basic protein; Opossum (Ghooray, G.T. (72) 67)

γ-Aminobutyric acid; Differentiation; Immunocytochemistry; In situ hybridization; Rat (Behar, T. (72) 203)

GABA; Glutamic acid decarboxylase; Immunocytochemistry; Rat; Embryo; Gradient (Schaffner, A.E. (72) 265)

Propriospinal; Descending control; Cervical; Lumbosacral; Development; Opossum; Retrograde tracing (Cassidy, G. (72) 291)

Neural cell adhesion molecule; Polysialic acid; Development; Ascending pathway; Sensory system (Seki, T. (73) 141)

Noradrenaline; Serotonin; Human development; Brainstem; Human (Sundström, E. (75) 1)

Avian; Embryonic; Protein; Two-dimensional gel electrophoresis; Regeneration (Ethell, D.W. (76) 163)

Spinal ganglia
Diaphorase; Nitric oxide; Autonomic nervous system; Visceral afferent; Embryogenesis; Rodent (Wetts, R. (76) 278)

Spinal motoneuron
Neuron–glia interaction; Insulin; Insulin-like growth factor I; Nerve growth factor; Neurite outgrowth (Ang, L.C. (74) 83)

Spinal nucleus of the bulbocavernosus
Horseradish peroxidase; Dendrodendritic interaction; Dendritic extent; Arbor area; Somal size (Goldstein, L.A. (73) 151)

Spinocerebellar
Fasciculus gracilis; Marsupial; Spino-olivary; Spinoreticular (Qin, Y.Q. (75) 75)

Spino-olivary
Fasciculus gracilis; Marsupial; Spinocerebellar; Spinoreticular (Qin, Y.Q. (75) 75)

Spinoreticular
Fasciculus gracilis; Marsupial; Spinocerebellar; Spino-olivary (Qin, Y.Q. (75) 75)

Splotch mutant
Mouse; Neural crest; HCMV-IEP-lacZ transgene; Peripheral nervous system; Sympathetic trunk (Franz, T. (72) 99)

Spontaneous activity
Superior colliculus; Rat; Development; Evoked response (Molotchnikoff, S. (72) 300)

Spontaneously hypertensive rat
PD 123319; Losartan; Blood pressure; Angiotensin II; Intracerebroventricular (Toney, G.M. (71) 193)

Spontaneous motility
NMDA antagonist; Chronic treatment; Development; Body weight; Brain weight; Neurochemistry (Facchinetti, F. (74) 219)

Spreading depression
Excitability; Seizure; Hippocampal slice; CA1 region; Immature brain; Rat; Extracellular K^+ concentration (Kreisman, N.R. (76) 67)

Stem cell
Development; Embryonic; Glossopharyngeal nerve; Induction; Neurotrophic; Taste (Oakley, B. (72) 259)

Stereotaxic implantation
Fetal cerebellar graft; Axonal sprouting; Blood–brain barrier; Purkinje cell; Anti-Leu-4 (CD3); Immunohistochemistry (Gerloff, C. (74) 30)

Stereotypy
Neonatal lesion; Hippocampus; Ibotenic acid; Catalepsy; Apomorphine; Haloperidol; Dopamine (Lipska, B.K. (75) 213)

Steroid hormone
Schwann cell; Sciatic nerve; Glia; Estradiol; Cyclic adenosine monophosphate; Proliferation; Receptor (Jung-Testas, I. (72) 282)

Stimulant
Development; Glucose metabolism; Long-term effect (Dow-Edwards, D.L. (72) 309)

Stress
Corticotropin releasing factor; Glucocorticoid; Neonatal; Rat; Development; Hypothalamus (Yi, S.-J. (73) 253)

Maternal regulation; Hypothalamic-pituitary-adrenal axis; Development; Maternal deprivation; Rat (Suchecki, D. (75) 185)

Striatal
Acetylcholine synthesis; AF64A; Neuronal culture; Septal-hipoocampal (Meyer, E.M. (74) 51)

Striatal patch
Cocaine; Striatum; Development; Serotonin; Dopamine; Rat (Snyder-Keller, A.M. (74) 261)

Striate cortex
Astrocyte; Oligodendrocyte; Development; Cortical plasticity; Glial fibrillary acidic protein; Immunocytochemistry (Dyck, R.H. (72) 181)

Calcium binding protein; Extrastriate cortex; Cingulate cortex; Association cortex (Hogan, D. (74) 177)

Striatum
Development; Synaptic vesicle protein; Immunocytochemistry; In situ hybridization; Rat (Ovtscharoff, W. (72) 219)

Cocaine; Development; Serotonin; Dopamine; Striatal patch; Rat (Snyder-Keller, A.M. (74) 261)

Thy-1; Substantia nigra; Dopamine; Development; Parkinson's disease (Shults, C.W. (75) 136)

Acetylcholine; Acetylcholinesterase; Choline acetyltransferase; Methadone (Robinson, S.E. (76) 239)

Strychnine
γ-Aminobutyric acid; Picrotoxin; Bicuculline; Chloride channel (Siebler, M. (73) 289)

Subcellular fraction
Calcium-activated neutral proteinase; Myelin; Cytosol; Membrane-bound; 2′,3′-Cyclic nucleotide-3′-phosphohydrolase (Chakrabarti, A.K. (71) 107)

Subplate
Visual cortex; Extrastriate cortex; Somatostatin; GABAergic subpopulation; Postnatal development; Cat (Hogan, D. (71) 221)

Substance P
Preprotachykinin; Superior cervical ganglion; Neurotransmitter phenotype; Tissue culture; Conditioned medium; Gene expression; Glia (Lentz, S.I. (73) 35)

GAP-43; Motor endplate; Immunohistochemistry; Confocal laser scanning; Synaptophysin; Autonomic vessel terminal; Calcitonin gene-related peptide (Li, J.-Y. (74) 269)

Substantia nigra
Dopamine; Messenger RNA; Ventral tegmental area; In situ hybridization (Solberg, Y. (73) 91)

Fibroblast growth factor-1; Fibroblast growth factor-2; Intraocular transplantation; Dopamine; Tyrosine hydroxylase; Falck-Hillarp histochemistry; Iris; Axon growth (Giacobini, M.M.J. (75) 65)

Thy-1; Striatum; Dopamine; Development; Parkinson's disease (Shults, C.W. (75) 136)

Substrate
Spinal cord; Neuronal development; Neuronal repair; Plasma membrane; Cell differentiation; NG108–15 cell (Ethell, D.W. (72) 1)

Suckling
Lactation; *c-fos* (Wintrip, N. (76) 283)

Superior cervical ganglion
Substance P; Preprotachykinin; Neurotransmitter phenotype; Tissue culture; Conditioned medium; Gene expression; Glia (Lentz, S.I. (73) 35)

Superior colliculus
Rat; Development; Spontaneous activity; Evoked response (Molotchnikoff, S. (72) 300)

Axon specification; Visual development; Visuotopy; Corticotectal development; Topographic specificity; Laminar specificity (Bruce, L.L. (73) 47)

Developmental plasticity; Retinotopy; Binocular congruence; Retinal lesion (Hanson, E.S. (73) 293)

Chondroitin sulfate proteoglycan; Retinal ganglion cell; Mouse; Explantation; Chick chorioallantoic membrane (Huxlin, K.R. (74) 207)

Development; NADPH-diaphorase; Nitric oxide; Lateral geniculate body (González-Hernández, T. (76) 141)

Supersensitivity
Dopamine; 5-Hydroxytryptamine; Oral activity; Ontogeny; 6-Hydroxydopamine (Kostrzewa, R.M. (76) 87)

Supersensitization
Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Ontogeny; Priming (Gong, L. (76) 59)

Dopamine; Dopamine D_1 receptor; 6-Hydroxydopamine; SKF 38393; Serotonin; Serotonin receptor; *m*-Chlorophenylpiperazine; Ontogeny; Oral activity (Gong, L. (76) 233)

Supporting cell
HBL 14 lectin; Cochlea; Hair cell; Development; Rat (Remezal, M. (73) 1)

Olfactory epithelium; Thyroid hormone; Thyroxine; Olfactory neural development; Olfactory receptor neuron; Basal cell; Thyroid and neural development; Critical period; Compensatory neural growth; Morphometry; Cell number (Paternostro, M.A. (76) 151)

Suprachiasmatic nucleus
Hamster; Neural graft; Vasoactive intestinal peptide; Neurophysin (Romero, M.-T. (71) 45)

Melatonin; Pars tuberalis; Circadian timing system; Pineal (Duncan, M.J. (73) 205)

Retinohypothalamic tract; Lateral hypothalamus; Retrochiasmatic area; Circadian rhythm; Synaptogenesis; Synapsin (Speh, J.C. (76) 171)

Supraoptic nucleus
Tyrosine hydroxylase; Human hypothalamus; Paraventricular nucleus; Development; Vasopressin; Oxytocin (Panayotacopoulou, M.T. (72) 145)

Sympathetic innervation
Sympathonectin; Laminin; Heart conditioned medium; Heart; Skeletal muscle (Kuromi, H. (72) 159)

Sympathetic trunk
Mouse; Splotch mutant; Neural crest; HCMV-IEP-lacZ transgene; Peripheral nervous system (Franz, T. (72) 99)

Sympathonectin
Laminin; Heart conditioned medium; Sympathetic innervation; Heart; Skeletal muscle (Kuromi, H. (72) 159)

Synapse elimination
Development; Electron microscopy; Immunocytochemistry (Crissman, R.S. (75) 131)

Synapsin
Suprachiasmatic nucleus; Retinohypothalamic tract; Lateral hypothalamus; Retrochiasmatic area; Circadian rhythm; Synaptogenesis (Speh, J.C. (76) 171)

Synaptic imprinting
Neuromuscular development; Acetylcholine receptor expression, embryonic and adult; Neurotrophic influence; Muscle-cell culture; Patch clamp; Single-channel recording (Carlson, C.G. (72) 245)

Synaptic plasticity
In vitro development; Rat; Hippocampus; Organotypic culture; Ultrastructure (Buchs, P.-A. (71) 81)

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Alzheimer's disease; Huntington's chorea; Calcium binding protein; In situ hybridization; Hippocampus; Calbindin-28k (Sutherland, M.K. (18) 32)

GAP 43; Protein kinase C; Post hoc phosphorylation assay; Sensitization; Synaptic plasticity; Neural-specific protein; Synaptosome (Gnegy, M.E. (20) 289)

Calmodulin gene II
Cerebellum; Cerebral cortex; Gene expression; Hippocampus; Neuron; Spinal cord; Transgenic mouse (Matsuo, K. (20) 9)

Calretinin
mRNA quantitation; Ribonuclease protection assay; β-Actin; Rat brain; In situ hybridization histochemistry (Strauss, K.I. (20) 229)

CaM kinase II
Subunit; In situ hybridization; Rat brain (Sakagami, H. (20) 51)

Carbachol
Acetylcholine; Muscarinic acetylcholine receptor; Codistribution; Neocortex; Protein kinase C; Rat (Van der Zee, E.A. (18) 152)

Muscarinic M_1 receptor; Rapid regulation; Positive regulation: mRNA; Trihexyphenidyl; Rat striatum (Chou, H.-h. (19) 211)

Substantia nigra pars reticulata; Muscarinic receptor; Phosphoinositide hydrolysis; Pirenzepine; NMDA; Dopamine (Arias-Montaño, J.-A. (19) 233)

Carbamylcholine
Acetylcholine receptor; α-Bungarotoxin; Circular dichroism; Conformation; Sodium dodecyl sulfate (Donnelly-Roberts, D.L. (19) 55)

Carboxypeptidase E
Carboxypeptidase H; Enkephalin convertase; Neuropeptide biosynthesis (Grigoriants, O. (19) 161)

Carboxypeptidase H
Carboxypeptidase E; Enkephalin convertase; Neuropeptide biosynthesis (Grigoriants, O. (19) 161)

Casein kinase 1
Neurochordin; High-M_r glycoprotein; Casein kinase 2; Phosphoserine (Elizarov, S.M. (19) 310)

Casein kinase 2
Neurochordin; High-M_r glycoprotein; Casein kinase 1; Phosphoserine (Elizarov, S.M. (19) 310)

Catecholamine
Amygdala; Colchicine; In situ hybridization; Species specificity (Asmus, S.E. (20) 267)

Catecholamine gene expression
Dopamine uptake; Rat; Substantia nigra; In situ hybridization (Augood, S.J. (20) 328)

Catecholamine release
Neuromodulin; F1; In situ hybridization; Alkaline phosphatase-labeled probe (Yao, G.L. (18) 1)

Caudate-putamen
Haloperidol; G-protein; Nucleus accumbens; Prefrontal cortex (See, R.E. (19) 219)

Prodynorphin mRNA; Cocaine; Rat; Dopamine; Solution hybridization (Spangler, R. (19) 323)

CD59
Complement; Astrocyte; C3; Membrane attack complex; C9; Polymerase chain reaction (Gordon, D.L. (18) 335)

***cdc* 25**
Nucleotide-exchange factor; *Ras*; Oncogene (Wei, W. (19) 339)

Celiac-mesenteric plexus
Kidney; Tyrosine hydroxylase; Neuropeptide Y; Paravertebral ganglia (Krukoff, T.L. (19) 287)

Cell culture
Tropomyosin; Actin microfilament; Neuron; Astrocyte; Oligodendrocyte; Development; Rat (Had, L. (18) 77)

Cell death
Sulphated glycoprotein-2; Transient forebrain ischemia; Mesodiencephalic hemitransection; In situ hybridization; Central nervous system; Rat (Zoli, M. (18) 163)

Central angiotensin system
Angiotensinogen mRNA; Preoptic area; Spontaneously hypertensive rat; Northern blot analysis (Shibata, K. (19) 115)

Central nervous system
In situ hybridization histochemistry; Preprotachykinin; Substance P; Biosynthesis; mRNA splicing (Marchand, J.E. (17) 83)

Fibroblast growth factor receptor; FGFR-1; FGFR-2; In situ hybridization; Rat (Asai, T. (17) 174)

Barrel rotation; Somatostatin; Arginine-vasopressin; c-*fos*; In situ hybridization; Cerebellum; Rat (Kamegai, J. (18) 115)

Sulphated glycoprotein-2; Transient forebrain ischemia; Mesodiencephalic hemitransection; Cell death; In situ hybridization; Rat (Zoli, M. (18) 163)

Vestibular compensation; Opiate; Enkephalin; In situ hybridization histochemistry (Saika, T. (19) 237)

Na^+/Ca^{2+} exchanger; Ion transporter; Cerebellar granule neuron; Polymerase chain reaction; In situ hybridization; Ca^{2+} homeostasis (Marlier, L.N.J.-L. (20) 21)

Cerebellar cortex
GABA; γ_2 Subunit mRNA; In situ hybridization; Purkinje cell degeneration; Lurcher; Reeler; Ontogeny (Luntz-Leybman, V. (19) 9)

Cerebellar granule cell
Brain-derived neurotrophic factor; Glutamate; Quisqualate; Metabotropic glutamate receptor; Neurotransmission (Bessho, Y. (18) 201)

Cerebellar granule neuron
Na^+/Ca^{2+} exchanger; Ion transporter; Polymerase chain reaction; In situ hybridization; Central nervous system; Ca^{2+} homeostasis (Marlier, L.N.J.-L. (20) 21)

Cerebellar neuron
Glutamate toxicity; Excitotoxicity; BCL-2 (Zhong, L.-t. (19) 353)

Cerebellum
β Amyloid precursor protein; Gene expression; Mouse chromosome 16; Neurological mutant mouse; Substantia nigra; Weaver (Solà, C. (17) 340)

Barrel rotation; Somatostatin; Arginine-vasopressin; c-*fos*; In situ hybridization; Central nervous system; Rat (Kamegai, J. (18) 115)

cDNA; Gene expression; Hippocampus; In situ hybridization; Neurological mutant mouse; Purkinje cell degeneration (*pcd*); Reeler; Substantia nigra; Weaver (Kambouris, M. (18) 321)

Calmodulin gene II; Cerebral cortex; Gene expression; Hippocampus; Neuron; Spinal cord; Transgenic mouse (Matsuo, K. (20) 9)

Polyclonal antibody; Light microscopy; Olfactory bulb; Hippocampus (Araki, T. (20) 263)

Cerebral cortex
Absence epilepsy; Spike-wave; Arousal; Fos immunohistochemistry; Animal model (Willoughby, J.O. (18) 178)

c-*fos*; c-*jun*; NGFI-A; Proto-oncogene; Vasoactive intestinal peptide (Vaccarino, F.M. (19) 76)

Neurotrophic factor; Tyrosine kinase receptor; Spreading depression; Glutamate; NMDA receptor (Kokaia, Z. (19) 277)

Calmodulin gene II; Cerebellum; Gene expression; Hippocampus; Neuron; Spinal cord; Transgenic mouse (Matsuo, K. (20) 9)

Cerebrospinal fluid
Alzheimer's disease; Amyloid protein precursor β/A4; Human brain; Glycosylation; Western blot analysis (Saito, F. (19) 171)

c-*fos*
Tyrosine hydroxylase; In situ hybridization; Immunocytochemistry; Degeneration; Neuronal injury (Weiser, M. (17) 319)

Barrel rotation; Somatostatin; Arginine-vasopressin; In situ hybridization; Central nervous system; Cerebellum; Rat (Kamegai, J. (18) 115)

c-*jun*; NGFI-A; Cerebral cortex; Proto-oncogene; Vasoactive intestinal peptide (Vaccarino, F.M. (19) 76)

Transcription factor; Immediate-early gene; Amphetamine; Tolerance; Sensitization; Stress (Persico, A.M. (20) 91)

Proenkephalin; Metrazole; Trifluoperazine; NMDA; Hippocampus; Adrenal; mRNA (Zhu, Y.-s. (20) 118)

Preprodynorphin; Preproenkephalin; *zif/268*; Hippocampus; In situ hybridization; Convulsion (Helton, T.E. (20) 285)

c-*fos* expression
Mouse; Retina; Light; Dark; Diurnal cycle (Nir, I. (19) 47)

c-*fos* in RNA
Fos B; Proenkephalin; Nucleus caudalis; Trigeminal ganglia (Walther, D. (17) 155)

Chloramphenicol acetyltransferase
Neurotrophin-3; Nerve growth factor; Brain-derived neurotrophic factor; Transcriptional initiation site; Deletion analysis (Shintani, A. (17) 129)

Chloride
$GABA_A$ receptor; Calcium; Sodium; Phosphatase; Protein kinase A (Lanius, R.A. (20) 192)

Cholecystokinin mRNA
Tyrosine hydroxylase mRNA; Substantia nigra pars compacta; Ventral tegmental area; Quantitative in situ hybridization histochemistry; Senility; Rat (Schuligoi, R. (19) 333)

Choline acetyltransferase
Medial septum; Hippocampus; Neocortex; Habenula; Pedunculopontine tegmental nucleus; Cholinergic (Lauterborn, J.C. (17) 59)

Rat; Spinal cord; Gene expression; cDNA cloning; Alternative splicing; Genomic DNA (Kengaku, M. (18) 71)

DNA-binding protein; Cis-acting factor; Sp1; Enhancer; GC box-like sequence (Inoue, H. (20) 299)

Cholinergic
Choline acetyltransferase; Medial septum; Hippocampus; Neocortex; Habenula; Pedunculopontine tegmental nucleus (Lauterborn, J.C. (17) 59)

Cholinergic neuron
Tachykinin receptor; In situ hybridization; Neurokinin-1 receptor; Localization (Maeno, H. (18) 43)

Chronic ethanol ingestion
Prodynorphin mRNA; Vasopressin mRNA; Mouse; Dehydration (Gulya, K. (20) 1)

Circadian rhythm
Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; mRNA; Light–dark cycle; Rat (Yang, J. (20) 259)

Circular dichroism
Acetylcholine receptor; α-Bungarotoxin; Carbamylcholine; Conformation; Sodium dodecyl sulfate (Donnelly-Roberts, D.L. (19) 55)

Cis-acting factor
Choline acetyltransferase; DNA-binding protein; Sp1; Enhancer; GC box-like sequence (Inoue, H. (20) 299)

c-*jun*
c-*fos*; NGFI-A; Cerebral cortex; Proto-oncogene; Vasoactive intestinal peptide (Vaccarino, F.M. (19) 76)

Classical conditioning
Protein kinase C; Gene expression; In situ hybridization; Hippocampus; Rabbit (Craig, A.M. (19) 269)

Cloning
Ca^{2+}/calmodulin-dependent protein kinase IV; β Polypeptide; Northern blot; In situ hybridization (Sakagami, H. (19) 215)

Human GABA transporter gene; GABATHG (Lam, D.M.-K. (19) 227)

Clusterin
Retinitis pigmentosa; Retina; Expression; Immunohistochemistry; Neurodegeneration (Jomary, C. (20) 274)

In situ hybridization; Neurodegeneration; Retina; Retinitis pigmentosa (Jomary, C. (20) 279)

Brain ischemia; Hippocampus; Striatum; Reactive astrocyte; Sulfated glycoprotein-2; In situ hybridization (Wießner, C. (20) 345)

Cocaine
Dopamine receptor; In situ hybridization; Striatum; Nucleus accumbens; Olfactory tubercle (Spyraki, C. (19) 313)

Prodynorphin mRNA; Rat; Caudate-putamen; Dopamine; Solution hybridization (Spangler, R. (19) 323)

Codistribution
Acetylcholine; Muscarinic acetylcholine receptor; Carbachol; Neocortex; Protein kinase C; Rat (Van der Zee, E.A. (18) 152)

Colchicine
Catecholamine; Amygdala; In situ hybridization; Species specificity (Asmus, S.E. (20) 267)

Complement
C1q; Alzheimer's disease; Neuroimmunology; β-Amyloid (Brachova, L. (18) 329)

Astrocyte; CD59; C3; Membrane attack complex; C9; Polymerase chain reaction (Gordon, D.L. (18) 335)

Conformation
Acetylcholine receptor; α-Bungarotoxin; Carbamylcholine; Circular dichroism; Sodium dodecyl sulfate (Donnelly-Roberts, D.L. (19) 55)

***S*-Conjugate**
DCVC; DCVG; Neurotoxicity; Brain uptake (Patel, N.J. (17) 53)

Convulsion
Preprodynorphin; Preproenkephalin; *zif/268*; c-*fos*; Hippocampus; In situ hybridization (Helton, T.E. (20) 285)

Corticosteroid
Stress; $GABA_A$ receptor α subunit; Hippocampus; mRNA level; Gene expression (Montpied, P. (18) 267)

Corticotropin-releasing factor
Neonatal handling; Maternal separation; Hypothalamus; Stress (Plotsky, P.M. (18) 195)

Neuropeptide Y; Adrenocorticotropin; Proopiomelanocortin; Pituitary; Hypothalamus (Suda, T. (18) 311)

Cortisol
Alzheimer's disease; Postmortem brain; Hippocampus; Glucocorticoid receptor; Mineralocorticoid receptor; Cortisol-binding globulin; In situ hybridization; Gene expression (Seckl, J.R. (18) 239)

Cortisol-binding globulin
Alzheimer's disease; Postmortem brain; Hippocampus; Glucocorticoid receptor; Mineralocorticoid receptor; Cortisol; In situ hybridization; Gene expression (Seckl, J.R. (18) 239)

CpG island
Methylation; Tissue-specific; Gene expression; Neurofilament; Intermediate filament; Neuronal cell line; Genomic DNA (Bruce, J. (17) 269)

CRE
Transcription factor; Hippocampus; DNA recognition; AP-1 (Kinney, W. (20) 147)

c-*src*
RNA splicing; SmN; Neural cell adhesion molecule (Horn, D.A. (19) 181)

Cytochrome *c* oxidase
Ischemia; Mitochondrial DNA (Abe, K. (19) 69)

Cytokine
Neuron; Astrocyte; Amyloid β-protein; Growth factor; Alzheimer's disease (Ohyagi, Y. (18) 127)

Cytoskeleton
Alzheimer's disease; Heat shock protein; Protein kinase (Wallace, W. (19) 149)

Tau; Microtubule; Alzheimer's disease (Lo, M.M.S. (20) 209)

D

Dark
c-*fos* expression; Mouse; Retina; Light; Diurnal cycle (Nir, I. (19) 47)

Dark rearing
GAP-43; Visual cortex; Visual development; Gene expression; Visual deprivation (Mower, G.D. (20) 254)

DCVC
DCVG; Neurotoxicity; Brain uptake; *S*-Conjugate (Patel, N.J. (17) 53)

DCVG
DCVC; Neurotoxicity; Brain uptake; *S*-Conjugate (Patel, N.J. (17) 53)

Degeneration
Tyrosine hydroxylase; c-*fos*; In situ hybridization; Immunocytochemistry; Neuronal injury (Weiser, M. (17) 319)

In situ hybridization; Deoxyoligonucleotide probe; Glucocorticoid; Hippocampus; Ammon's horn; Nissl stain (Liao, B. (19) 328)

Dehydration
Prodynorphin mRNA; Vasopressin mRNA; Mouse; Chronic ethanol ingestion (Gulya, K. (20) 1)

Deletion analysis
Neurotrophin-3; Nerve growth factor; Brain-derived neurotrophic factor; Chloramphenicol acetyltransferase; Transcriptional initiation site (Shintani, A. (17) 129)

Dendrite
rRNA; Poly(A) RNA; In situ hybridization; Autoradiography (Kleiman, R. (20) 305)

Denervation
Immediate early gene; Skeletal muscle; Nerve stimulation; Neural regulation; Gene expression (Abu-Shakra, S.R. (18) 216)

Dentate gyrus
Limbic seizure; In situ hybridization; Protein F1/GAP-43; Hippocampus; CA1; Gene expression; Mossy fiber sprouting (Meberg, P.J. (17) 295)

Deoxyoligonucleotide probe
In situ hybridization; Glucocorticoid; Hippocampus; Ammon's horn; Nissl stain; Degeneration (Liao, B. (19) 328)

Depolarization
Amacrine cell; Proto-oncogene; Action potential; Northern blot; Immunocytochemistry (Koistinaho, J. (17) 179)

Determination
Opsin; *Xenopus*; Photoreceptor; Development; Embryonic eye (Saha, M.S. (17) 307)

Development
14-3-3 Protein; β Subtype; γ Subtype; Brain; cDNA cloning; In situ hybridization; Northern blot; Rat (Watanabe, M. (17) 135)

Proto-oncogene; Epilepsy; Hypoxia; Pentylenetetrazol; Flurothyl; Rat (Jensen, F.E. (17) 185)

Opsin; *Xenopus*; Photoreceptor; Embryonic eye; Determination (Saha, M.S. (17) 307)

Tropomyosin; Actin microfilament; Neuron; Astrocyte; Oligodendrocyte; Cell culture; Rat (Had, L. (18) 77)

Neuron-specific enolase; Non-neuronal enolase; Enolase; mRNA; In situ hybridization (Katagiri, T. (19) 1)

Growth inhibitory factor; cDNA; Molecular cloning; Alzheimer's disease; Metallothionein (Kobayashi, H. (19) 188)

NF-κB-related factor; Brain; Tissue-specific expression (Bakalkin, G.Ya. (20) 137)

Alzheimer's disease; βA4 amyloid precursor protein; Gene expression; Alternative splicing; Leukocyte-derived APP (Ohgami, T. (20) 240)

Glutamic acid decarboxylase mRNA; In situ hybridization histochemistry; Graft; GABA (Nothias, F. (20) 245)

5,7-Dihydoxytryptamine
Tryptophan hydroxylase; mRNA; d-Fenfluramine; Serotonin; Serotoninergic neuron; Nucleus raphe dorsalis (Bendotti, C. (19) 257)

Dimethyl sulfoxide
Retinoic acid; Reverse transcriptase PCR; Amyloid precursor protein; Splicing (Pan, J.B. (18) 259)

Distribution
Na^+ channel subtype; mRNA; In situ hybridization; Brain (Furuyama, T. (17) 169)

Prostaglandin endoperoxide synthase; Rat brain; Ontogeny; Primary culture; Neuron; Induction (Kawasaki, M. (19) 39)

Ca^{2+}/calmodulin-insensitive; Adenylyl cyclase type II; Brain; Rat (Furuyama, T. (19) 165)

Diuresis
Vasopressin; Polymerase chain reaction; Hypothalamus; Ethanol; Osmotic challenge (Sanna, P.P. (19) 241)

Diurnal cycle
c-*fos* expression; Mouse; Retina; Light; Dark (Nir, I. (19) 47)

cDNA
Cerebellum; Gene expression; Hippocampus; In situ hybridization; Neurological mutant mouse; Purkinje cell degeneration (*pcd*); Reeler; Substantia nigra; Weaver (Kambouris, M. (18) 321)

Drebrin; Brain-specific protein; Gene; RNA splicing; Alternative RNA splicing; mRNA expression; Neural development (Kojima, N. (19) 101)

Growth inhibitory factor; Molecular cloning; Alzheimer's disease; Metallothionein; Development (Kobayashi, H. (19) 188)

DNA-binding protein
Amyloid precursor protein; Gene regulation (Bourbonnière, M. (19) 246)

Nerve growth factor receptor; Gene regulation; Mouse development (Neuman, T. (20) 199)

Choline acetyltransferase; Cis-acting factor; Sp1; Enhancer; GC box-like sequence (Inoue, H. (20) 299)

cDNA cloning
14-3-3 Protein; β Subtype; γ Subtype; Brain; In situ hybridization; Northern blot; Development; Rat (Watanabe, M. (17) 135)

Imprinting; Duckling; Medial hyperstriatum ventrale; Kainate-binding protein; Calmodulin (Kimura, N. (17) 351)

Choline acetyltransferase; Rat; Spinal cord; Gene expression; Alternative splicing; Genomic DNA (Kengaku, M. (18) 71)

DNA fragmentation
Neuronal death; Calcium; Endonuclease; Platelet (Joseph, R. (17) 70)

DNA recognition
Transcription factor; Hippocampus; AP-1; CRE (Kinney, W. (20) 147)

DOPA decarboxylase
Aromatic L-amino acid decarboxylase; Promoter; Gene; Neuroblastoma; Neuroepithelioma (Le Van Thai, A. (17) 227)

Dopamine
Aging; Striatum; mRNA synthesis; Dopamine D_2 receptor (Mesco, E.R. (17) 160)

Dopamine transporter mRNA; Midbrain; Rat (Cerruti, C. (18) 181)

Fibroblast growth factor; Brain lesion; Quantitative PCR; MPTP (Leonard, S. (18) 275)

Fos; Striatum; Dopamine D_1 receptor; Hybridization (Arnauld, E. (18) 339)

Immediate-early gene; Fos-like immunoreactivity; Nigrostriatal pathway; Striatopallidal neuron (Jian, M. (19) 156)

Substantia nigra pars reticulata; Muscarinic receptor; Phosphoinositide hydrolysis; Carbachol; Pirenzepine; NMDA (Arias-Montaño, J.-A. (19) 233)

Prodynorphin mRNA; Cocaine; Rat; Caudate-putamen; Solution hybridization (Spangler, R. (19) 323)

Protooncogene; Reinforcement; Mecamylamine; Fos; Accessory optic system; Ventral tegmental area; Nicotine (Pang, Y. (20) 162)

Dopamine β-hydroxylase
Phenylethanolamine *N*-methyltransferase; Gene expression; Immunohistochemistry; Transgenic mouse (Morita, S. (17) 239)

Dopamine D_1 mRNA
Postmortem interval; Dopamine D_1 receptor; In situ hybridization; Receptor autoradiography; SCH 23982 (Gilmore, J.H. (18) 290)

Dopamine D_1 receptor
Postmortem interval; In situ hybridization; Receptor autoradiography; Dopamine D_1 mRNA; SCH 23982 (Gilmore, J.H. (18) 290)

Fos; Striatum; Dopamine; Hybridization (Arnauld, E. (18) 339)

Muscarinic M_1 receptor; Muscarinic M_3 receptor; Phospholipase C; Inositolphosphate; Rat cortical membrane (Sallés, J. (20) 111)

Dopamine D_2 receptor
Dopamine; Aging; Striatum; mRNA synthesis (Mesco, E.R. (17) 160)

Dopamine D_2 receptor mRNA
Nigrostriatal dopaminergic pathway; Striatopallidal output; Preproenkephalin mRNA; In situ hybridization; Quantitative autoradiography (Chritin, M. (19) 318)

Dopamine receptor
In situ hybridization; Receptor autoradiography; Ventral striatum; Islands of Calleja; Schizophrenia (Landwehrmeyer, B. (18) 187)

Cocaine; In situ hybridization; Striatum; Nucleus accumbens; Olfactory tubercle (Spyraki, C. (19) 313)

Dopamine transporter
In situ hybridization histochemistry; Substantia nigra; Ventral tegmental area; Ontogeny (Fujita, M. (19) 222)

Dopamine transporter mRNA
Dopamine; Midbrain; Rat (Cerruti, C. (18) 181)

Dopamine uptake
Rat; Substantia nigra; In situ hybridization; Catecholamine gene expression (Augood, S.J. (20) 328)

Dorsal root ganglion
Immediate-early gene; Neuropeptide; Spinal cord; Protein expression; Target gene (Herdegen, T. (17) 147)

Neurotrophin; *trk*; Spinal cord; Axotomy (Ernfors, P. (17) 217)

Drebrin
Brain-specific protein; cDNA; Gene; RNA splicing; Alternative RNA splicing; mRNA expression; Neural development (Kojima, N. (19) 101)

Duckling
Imprinting; Medial hyperstriatum ventrale; cDNA cloning; Kainate-binding protein; Calmodulin (Kimura, N. (17) 351)

E

Egr-1
Sleep deprivation; Immediate early gene (Landis, C.A. (17) 300)

Electron microscopy
Vestibular efferent; Acetylcholine; Rat; In situ hybridization (Ohno, K. (18) 343)

Embryonic eye
Opsin; *Xenopus*; Photoreceptor; Development; Determination (Saha, M.S. (17) 307)

Endonuclease
Neuronal death; DNA fragmentation; Calcium; Platelet (Joseph, R. (17) 70)

Enhancer
Choline acetyltransferase; DNA-binding protein; Cis-acting factor; Sp1; GC box-like sequence (Inoue, H. (20) 299)

Enkephalin
Vestibular compensation; Opiate; Central nervous system; In situ hybridization histochemistry (Saika, T. (19) 237)

Enkephalin convertase
Carboxypeptidase E; Carboxypeptidase H; Neuropeptide biosynthesis (Grigoriants, O. (19) 161)

Enolase
Neuron-specific enolase; Non-neuronal enolase; mRNA; Development; In situ hybridization (Katagiri, T. (19) 1)

Epilepsy
Proto-oncogene; Development; Hypoxia; Pentylenetetrazol; Flurothyl; Rat (Jensen, F.E. (17) 185)

Oncogene; Hippocampus; In situ hybridization; Ribonuclease protection; Angiotensin; Seizure (Martin, K.A. (19) 303)

Epimorphin
HPC-1; Syntaxin; Neuron-specific protein; In situ hybridization; Tissue expression (Inoue, A. (19) 121)

ES cell
Gene expression; Nervous system; Glutamic acid decarboxylase EC cell; P19 cell (Bain, G. (17) 23)

Estrogen
LHRH; Surge; Prazosin; mRNA; Adrenergic (Weesner, G.D. (17) 77)

Androgen receptor; Testosterone; mRNA; Brain; Pituitary (Burgess, L.H. (19) 31)

Proenkephalin; Opioid; Hypothalamus; Reproductive behavior (Hammer Jr., R.P. (19) 129)

Sex dimorphism; Synaptogenesis; Ontogeny; GAP-43; SNAP-25 (Lustig, R.H. (20) 101)

Estrogen receptor mRNA
Medial preoptic area; Bed nucleus of the stria terminalis; Male reproductive behavior; Receptor down-regulation; Testosterone (Lisciotto, C.A. (20) 79)

Ethanol
Vasopressin; Polymerase chain reaction; Hypothalamus; Diuresis; Osmotic challenge (Sanna, P.P. (19) 241)

Excitotoxicity
Glutamate toxicity; BCL-2; Cerebellar neuron (Zhong, L.-t. (19) 353)

Exon
Gene expression; In situ hybridization; Intron; mRNA; RNase protection (Mori, N. (17) 101)

Expression
Clusterin; Retinitis pigmentosa; Retina; Immunohistochemistry; Neurodegeneration (Jomary, C. (20) 274)

Eye
TRH; TRH receptor; mRNA; Brain; TRH binding site; Northern blot; Rat; Pituitary (Satoh, T. (19) 175)

F

F1
Neuromodulin; Catecholamine release; In situ hybridization; Alkaline phosphatase-labeled probe (Yao, G.L. (18) 1)

d-Fenfluramine
Tryptophan hydroxylase; mRNA; 5,7-Dihydoxytryptamine; Serotonin; Serotoninergic neuron; Nucleus raphe dorsalis (Bendotti, C. (19) 257)

FGFR-1
Fibroblast growth factor receptor; FGFR-2; In situ hybridization; Rat; Central nervous system (Asai, T. (17) 174)

FGFR-2
Fibroblast growth factor receptor; FGFR-1; In situ hybridization; Rat; Central nervous system (Asai, T. (17) 174)

Fibroblast growth factor
Brain lesion; Dopamine; Quantitative PCR; MPTP (Leonard, S. (18) 275)

Fibroblast growth factor receptor
FGFR-1; FGFR-2; In situ hybridization; Rat; Central nervous system (Asai, T. (17) 174)

Flurothyl
Proto-oncogene; Development; Epilepsy; Hypoxia; Pentylenetetrazol; Rat (Jensen, F.E. (17) 185)

Fodrin
Spectrin; Globin; Heme; Ankyrin; Synapsin I (Ma, Y. (18) 87)

Food deprivation
Hypothalamus; Neuropeptide Y; Galanin mRNA; Lean Zucker rat; Obese Zucker rat; Aging (Jhanwar-Uniyal, M. (19) 195)

Fos
Neonatal; Ischemia; Jun; Immediate early gene; *hsp70*; Glial fibrillary acidic protein (Gubits, R.M. (18) 228)

Striatum; Dopamine D_1 receptor; Dopamine; Hybridization (Arnauld, E. (18) 339)

Protooncogene; Reinforcement; Mecamylamine; Accessory optic system; Ventral tegmental area; Dopamine; Nicotine (Pang, Y. (20) 162)

***Fos* B**
c-*fos* in RNA; Proenkephalin; Nucleus caudalis; Trigeminal ganglia (Walther, D. (17) 155)

Fos immunohistochemistry
Absence epilepsy; Spike-wave; Arousal; Cerebral cortex; Animal model (Willoughby, J.O. (18) 178)

Fos-like immunoreactivity
Dopamine; Immediate-early gene; Nigrostriatal pathway; Striatopallidal neuron (Jian, M. (19) 156)

Fos-related antigen
Hippocampus; Striatum; Hypothalamus; c-*Jun*; Transcription factor (Pennypacker, K.R. (19) 349)

G

GABA
γ_2 Subunit mRNA; In situ hybridization; Purkinje cell degeneration; Lurcher; Reeler; Ontogeny; Cerebellar cortex (Luntz-Leybman, V. (19) 9)

Glutamic acid decarboxylase mRNA; In situ hybridization histochemistry; Graft; Development (Nothias, F. (20) 245)

$GABA_B$ binding
Pertussis toxin; Rat brain (Knott, C. (18) 353)

GABAergic neuron
Intron; Termination; Thalamic reticular nucleus; Alzheimer's disease (Brooks, P.J. (19) 22)

$GABA_A$ receptor
Chloride; Calcium; Sodium; Phosphatase; Protein kinase A (Lanius, R.A. (20) 192)

$GABA_A$ receptor α subunit
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GTPase activity
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Human MCH mRNA expression
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Human MCH variant
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Kunitz protease inhibitor
β/A4; β-Amyloid precursor protein; Kainic acid; Neuronal cell damage; Alzheimer's disease (Solà, C. (17) 41)

L

Large dense core vesicle
Tissue hybridization; Large dense core vesicle biosynthesis (Mahata, S.K. (19) 83)

Large dense core vesicle biosynthesis
Large dense core vesicle; Tissue hybridization (Mahata, S.K. (19) 83)

Lean Zucker rat
Hypothalamus; Neuropeptide Y; Galanin mRNA; Obese Zucker rat; Aging; Food deprivation (Jhanwar-Uniyal, M. (19) 195)

Learning
Apamin; Ca^{2+}-activated K^+ channel; Immediate early gene; In situ hybridization; Memory; Mouse brain; Alzheimer's disease (Heurteaux, C. (18) 17)

Aplysia; Actin; Intermediate filament protein; Sensitization; Protein synthesis; Two-dimensional polyacrylamide gel electrophoresis; Memory (Noel, F. (19) 203)

Leukocyte-derived APP
Alzheimer's disease; βA4 amyloid precursor protein; Gene expression; Alternative splicing; Development (Ohgami, T. (20) 240)

LH
LHRH; NMDA; mRNA; Androgen-sterilized rat (Liaw, J.-J. (17) 112)

LHRH mRNA; Morphine; Norepinephrine; Androgen-sterilized rat (He, J.-R. (20) 71)

LHRH
Surge; Prazosin; mRNA; Adrenergic; Estrogen (Weesner, G.D. (17) 77)

NMDA; mRNA; LH; Androgen-sterilized rat (Liaw, J.-J. (17) 112)

LHRH mRNA
LH; Morphine; Norepinephrine; Androgen-sterilized rat (He, J.-R. (20) 71)

Ligand-gated ion channel
NMDA; NMDA receptor; Alternative splicing; Reverse transcriptase–polymerase chain reaction; Gene structure (Kusiak, J.W. (20) 64)

Light
c-*fos* expression; Mouse; Retina; Dark; Diurnal cycle (Nir, I. (19) 47)

Light–dark cycle
Circadian rhythm; Suprachiasmatic nucleus; Vasoactive intestinal polypeptide; mRNA; Rat (Yang, J. (20) 259)

Light microscopy
Polyclonal antibody; Olfactory bulb; Hippocampus; Cerebellum (Araki, T. (20) 263)

Limbic seizure
In situ hybridization; Protein F1/GAP-43; Hippocampus; Dentate gyrus; CA1; Gene expression; Mossy fiber sprouting (Meberg, P.J. (17) 295)

Local action
Granule cell; Low-affinity nerve growth factor receptor; Brain-derived neurotrophic factor; Neurotrophin-3; Sequential expression; In situ hybridization (Rocamora, N. (17) 1)

Localization
Tachykinin receptor; In situ hybridization; Neurokinin-1 receptor; Cholinergic neuron (Maeno, H. (18) 43)

Locus coeruleus
GAP-43; B50; Synaptic plasticity; Norepinephrine; Vibrissa; Barrel cortex; Whisker (Levin, B.E. (18) 59)

Long-term potentiation
Immediate-early gene; Hippocampus; Northern blot; Immunohistochemistry (Demmer, J. (17) 279)

Low-affinity nerve growth factor receptor
Granule cell; Brain-derived neurotrophic factor; Neurotrophin-3; Sequential expression; In situ hybridization; Local action (Rocamora, N. (17) 1)

p75NGFR; GAP-43; Growth-associated protein-43; Tα1 α-tubulin; Myelin basic protein; Myelin proteolipid protein (Figueiredo, B.C. (17) 258)

Lurcher
GABA; γ_2 Subunit mRNA; In situ hybridization; Purkinje cell degeneration; Reeler; Ontogeny; Cerebellar cortex (Luntz-Leybman, V. (19) 9)

M

Male reproductive behavior
Estrogen receptor mRNA; Medial preoptic area; Bed nucleus of the stria terminalis; Receptor down-regulation; Testosterone (Lisciotto, C.A. (20) 79)

Maternal separation
Neonatal handling; Corticotropin-releasing factor; Hypothalamus; Stress (Plotsky, P.M. (18) 195)

Mecamylamine
Protooncogene; Reinforcement; Fos; Accessory optic system; Ventral tegmental area; Dopamine; Nicotine (Pang, Y. (20) 162)

Medial hyperstriatum ventrale
Imprinting; Duckling; cDNA cloning; Kainate-binding protein; Calmodulin (Kimura, N. (17) 351)

Medial preoptic area
Estrogen receptor mRNA; Bed nucleus of the stria terminalis; Male reproductive behavior; Receptor down-regulation; Testosterone (Lisciotto, C.A. (20) 79)

Medial septum
Choline acetyltransferase; Hippocampus; Neocortex; Habenula; Pedunculopontine tegmental nucleus; Cholinergic (Lauterborn, J.C. (17) 59)

Membrane attack complex
Complement; Astrocyte; CD59; C3; C9; Polymerase chain reaction (Gordon, D.L. (18) 335)

Memory
Apamin; Ca^{2+}-activated K^+ channel; Immediate early gene; In situ hybridization; Learning; Mouse brain; Alzheimer's disease (Heurteaux, C. (18) 17)

Aplysia; Actin; Intermediate filament protein; Sensitization; Protein synthesis; Two-dimensional polyacrylamide gel electrophoresis; Learning (Noel, F. (19) 203)

Mesodiencephalic hemitransection
Sulphated glycoprotein-2; Transient forebrain ischemia; Cell death; In situ hybridization; Central nervous system; Rat (Zoli, M. (18) 163)

Metabotropic glutamate receptor
Brain-derived neurotrophic factor; Glutamate; Quisqualate; Cerebellar granule cell; Neurotransmission (Bessho, Y. (18) 201)

Metallothionein
Growth inhibitory factor; cDNA; Molecular cloning; Alzheimer's disease; Development (Kobayashi, H. (19) 188)

Methylation
CpG island; Tissue-specific; Gene expression; Neurofilament; Intermediate filament; Neuronal cell line; Genomic DNA (Bruce, J. (17) 269)

Metrazole
c-*fos*; Proenkephalin; Trifluoperazine; NMDA; Hippocampus; Adrenal; mRNA (Zhu, Y.-s. (20) 118)

Microtubule
Tau; Cytoskeleton; Alzheimer's disease (Lo, M.M.S. (20) 209)

Microtubule assembly
Aging; Tubulin; GTP; GTPase activity (Qian, A. (18) 100)

Midbrain
Dopamine; Dopamine transporter mRNA; Rat (Cerruti, C. (18) 181)

Mineralocorticoid receptor
Alzheimer's disease; Postmortem brain; Hippocampus; Glucocorticoid receptor; Cortisol; Cortisol-binding globulin; In situ hybridization; Gene expression (Seckl, J.R. (18) 239)

Mitochondrial DNA
Cytochrome *c* oxidase; Ischemia (Abe, K. (19) 69)

Molecular cloning
Growth inhibitory factor; cDNA; Alzheimer's disease; Metallothionein; Development (Kobayashi, H. (19) 188)

Mononuclear blood cell
Alzheimer's disease; Amyloid precursor protein; Amyloid β-protein; mRNA level (Buckland, P. (18) 316)

Morphine
LHRH mRNA; LH; Norepinephrine; Androgen-sterilized rat (He, J.-R. (20) 71)

Mossy fiber sprouting
Limbic seizure; In situ hybridization; Protein F1/GAP-43; Hippocampus; Dentate gyrus; CA1; Gene expression (Meberg, P.J. (17) 295)

Motoneuron
Gene expression; GluR1–5; NR1; AMPA receptor; Kainate receptor; NMDA receptor; Nociception; Spinal cord (Furuyama, T. (18) 141)

Mouse
c-*fos* expression; Retina; Light; Dark; Diurnal cycle (Nir, I. (19) 47)

NMDAR1 mRNA; Postnatal rat; Adult rat; Human; Brain region; Solution hybridization; RNA quantitation (Franklin, S.O. (19) 93)

Prodynorphin mRNA; Vasopressin mRNA; Chronic ethanol ingestion; Dehydration (Gulya, K. (20) 1)

Mouse brain
Apamin; Ca^{2+}-activated K^+ channel; Immediate early gene; In situ hybridization; Learning; Memory; Alzheimer's disease (Heurteaux, C. (18) 17)

Mouse chromosome 16
β Amyloid precursor protein; Cerebellum; Gene expression; Neurological mutant mouse; Substantia nigra; Weaver (Solà, C. (17) 340)

Mouse development
Nerve growth factor receptor; Gene regulation; DNA-binding protein (Neuman, T. (20) 199)

MPTP
Fibroblast growth factor; Brain lesion; Dopamine; Quantitative PCR (Leonard, S. (18) 275)

Muscarinic
Gene expression; Nicotinic; Neuropeptide; Oxotremorine; Start site usage (DeCristofaro, J.D. (18) 133)

Muscarinic acetylcholine receptor
Acetylcholine; Codistribution; Carbachol; Neocortex; Protein kinase C; Rat (Van der Zee, E.A. (18) 152)

Muscarinic M_1 receptor
Rapid regulation; Positive regulation: mRNA; Carbachol; Trihexyphenidyl; Rat striatum (Chou, H.-h. (19) 211)

Muscarinic M_3 receptor; Dopamine D_1 receptor; Phospholipase C; Inositolphosphate; Rat cortical membrane (Sallés, J. (20) 111)

Muscarinic M_3 receptor
Muscarinic M_1 receptor; Dopamine D_1 receptor; Phospholipase C; Inositolphosphate; Rat cortical membrane (Sallés, J. (20) 111)

Muscarinic receptor
Acetylcholine; Nicotinic receptor; mRNA; Salivary gland; In situ hybridyzation; Rat (Shida, T. (17) 335)

Substantia nigra pars reticulata; Phosphoinositide hydrolysis; Carbachol; Pirenzepine; NMDA; Dopamine (Arias-Montaño, J.-A. (19) 233)

Myelin basic protein
p75NGFR; Low-affinity nerve growth factor receptor; GAP-43; Growth-associated protein-43; Tα1 α-tubulin; Myelin proteolipid protein (Figueiredo, B.C. (17) 258)

Myelin proteolipid protein
p75NGFR; Low-affinity nerve growth factor receptor; GAP-43; Growth-associated protein-43; Tα1 α-tubulin; Myelin basic protein (Figueiredo, B.C. (17) 258)

N

Na^+/Ca^{2+} exchanger
Ion transporter; Cerebellar granule neuron; Polymerase chain reaction; In situ hybridization; Central nervous system; Ca^{2+} homeostasis (Marlier, L.N.J.-L. (20) 21)

Na^+ channel subtype
mRNA; In situ hybridization; Brain; Distribution (Furuyama, T. (17) 169)

Naltrexone
Substance P receptor regulation; Opioid receptor antagonism; Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptor; Striatum (Igwe, O.J. (20) 40)

Neocortex
Choline acetyltransferase; Medial septum; Hippocampus; Habenula; Pedunculopontine tegmental nucleus; Cholinergic (Lauterborn, J.C. (17) 59)

Acetylcholine; Muscarinic acetylcholine receptor; Codistribution; Carbachol; Protein kinase C; Rat (Van der Zee, E.A. (18) 152)

Neonatal
Ischemia; Fos; Jun; Immediate early gene; *hsp70*; Glial fibrillary acidic protein (Gubits, R.M. (18) 228)

Neonatal handling
Maternal separation; Corticotropin-releasing factor; Hypothalamus; Stress (Plotsky, P.M. (18) 195)

Nerve growth factor
Amyloid precursor protein; PC12 cell; Immunoprecipitation; Alternative splicing; Alzheimer's disease; Synapse; Western blot (Fukuyama, R. (17) 17)

Neurotrophin-3; Brain-derived neurotrophic factor; Chloramphenicol acetyltransferase; Transcriptional initiation site; Deletion analysis (Shintani, A. (17) 129)

Nerve growth factor receptor; *trk*; Neurotrophin; Astrocyte; Oligodendrocyte (Kumar, S. (17) 163)

Amyloid precursor protein; Superior cervical ganglia; Neuronal degeneration; Alternative splicing; Gene expression; Alzheimer's disease (Smith, C.J. (17) 328)

Nerve growth factor receptor
Nerve growth factor; *trk*; Neurotrophin; Astrocyte; Oligodendrocyte (Kumar, S. (17) 163)

Gene regulation; DNA-binding protein; Mouse development (Neuman, T. (20) 199)

Nerve stimulation
Immediate early gene; Skeletal muscle; Denervation; Neural regulation; Gene expression (Abu-Shakra, S.R. (18) 216)

Nervous system
Gene expression; Glutamic acid decarboxylase EC cell; P19 cell; ES cell (Bain, G. (17) 23)

Neural cell adhesion molecule
RNA splicing; SmN; c-*src* (Horn, D.A. (19) 181)

Neural development
Drebrin; Brain-specific protein; cDNA; Gene; RNA splicing; Alternative RNA splicing; mRNA expression (Kojima, N. (19) 101)

Neural regulation
PNMT; Adrenal; In vivo; Transcription; Translation (Wong, D.L. (18) 107)

Immediate early gene; Skeletal muscle; Nerve stimulation; Denervation; Gene expression (Abu-Shakra, S.R. (18) 216)

Neural-specific protein
GAP 43; Calmodulin; Protein kinase C; Post hoc phosphorylation assay; Sensitization; Synaptic plasticity; Synaptosome (Gnegy, M.E. (20) 289)

Neuroblastoma
Neurofilament; Thrombin; Protein kinase C; H-7 (Tsuneishi, S. (17) 119)

Aromatic L-amino acid decarboxylase; DOPA decarboxylase; Promoter; Gene; Neuroepithelioma (Le Van Thai, A. (17) 227)

Neurochordin
High-M_r glycoprotein; Casein kinase 1; Casein kinase 2; Phosphoserine (Elizarov, S.M. (19) 310)

Neurodegeneration
Clusterin; Retinitis pigmentosa; Retina; Expression; Immunohistochemistry (Jomary, C. (20) 274)

Clusterin; In situ hybridization; Retina; Retinitis pigmentosa (Jomary, C. (20) 279)

Neuroepithelioma
Aromatic L-amino acid decarboxylase; DOPA decarboxylase; Promoter; Gene; Neuroblastoma (Le Van Thai, A. (17) 227)

Neurofibrillary tangle
Amyloid β-protein precursor; mRNA; In situ hybridization; Senile plaque; Hippocampal formation (Hyman, B.T. (18) 253)

Neurofilament
Neuroblastoma; Thrombin; Protein kinase C; H-7 (Tsuneishi, S. (17) 119)

Methylation; CpG island; Tissue-specific; Gene expression; Intermediate filament; Neuronal cell line; Genomic DNA (Bruce, J. (17) 269)

Gene regulation; Translational control; Intermediate filament; Transgenic mouse; Neuronal expression (Beaudet, L. (18) 23)

Neuroimmunology
C1q; Complement; Alzheimer's disease; β-Amyloid (Brachova, L. (18) 329)

Neurokinin-1 receptor
Tachykinin receptor; In situ hybridization; Localization; Cholinergic neuron (Maeno, H. (18) 43)

Neurological mutant mouse
β Amyloid precursor protein; Cerebellum; Gene expression; Mouse chromosome 16; Substantia nigra; Weaver (Solà, C. (17) 340)

cDNA; Cerebellum; Gene expression; Hippocampus; In situ hybridization; Purkinje cell degeneration (*pcd*); Reeler; Substantia nigra; Weaver (Kambouris, M. (18) 321)

Neuromodulation
Sympathetic neuron; Neuropeptide; Vasoactive intestinal polypeptide; Tyrosine hydroxylase gene transcription (Zurn, A.D. (20) 125)

Neuromodulin
F1; Catecholamine release; In situ hybridization; Alkaline phosphatase-labeled probe (Yao, G.L. (18) 1)

B-50; GAP-43; Growth-associated protein; Gene structure; Human gene; Transcription start (Nielander, H.B. (19) 293)

Neuron
Calcium; Ca^{2+}-ATPase; Calcium binding protein; Calcium pool; Brain (Johnson, R.J. (17) 9)

Tropomyosin; Actin microfilament; Astrocyte; Oligodendrocyte; Cell culture; Development; Rat (Had, L. (18) 77)

Astrocyte; Amyloid β-protein; Growth factor; Cytokine; Alzheimer's disease (Ohyagi, Y. (18) 127)

Immediate early gene; Programmed cell death; Axotomy (Dragunow, M. (18) 347)

Prostaglandin endoperoxide synthase; Rat brain; Distribution; Ontogeny; Primary culture; Induction (Kawasaki, M. (19) 39)

Calmodulin gene II; Cerebellum; Cerebral cortex; Gene expression; Hippocampus; Spinal cord; Transgenic mouse (Matsuo, K. (20) 9)

Neuronal
Immunoglobulin superfamily; Glial; Olfactory; Adhesion (Reyes, A.A. (17) 201)

Neuronal cell damage
β/A4; β-Amyloid precursor protein; Kunitz protease inhibitor; Kainic acid; Alzheimer's disease (Solà, C. (17) 41)

Neuronal cell line
Methylation; CpG island; Tissue-specific; Gene expression; Neurofilament; Intermediate filament; Genomic DNA (Bruce, J. (17) 269)

Neuronal death
DNA fragmentation; Calcium; Endonuclease; Platelet (Joseph, R. (17) 70)

Neuronal degeneration
Amyloid precursor protein; Nerve growth factor; Superior cervical ganglia; Alternative splicing; Gene expression; Alzheimer's disease (Smith, C.J. (17) 328)

Neuronal expression
Neurofilament; Gene regulation; Translational control; Intermediate filament; Transgenic mouse (Beaudet, L. (18) 23)

Neuronal injury
Tyrosine hydroxylase; c-*fos*; In situ hybridization; Immunocytochemistry; Degeneration (Weiser, M. (17) 319)

Neuronal repair
Insulin-like growth factor; Oligodendrocyte (Beilharz, E.J. (18) 209)

Neuron-specific enolase
Non-neuronal enolase; Enolase; mRNA; Development; In situ hybridization (Katagiri, T. (19) 1)

Neuron-specific protein
HPC-1; Syntaxin; Epimorphin; In situ hybridization; Tissue expression (Inoue, A. (19) 121)

Neuropeptide
Immediate-early gene; Dorsal root ganglion; Spinal cord; Protein expression; Target gene (Herdegen, T. (17) 147)

Gene expression; Muscarinic; Nicotinic; Oxotremorine; Start site usage (DeCristofaro, J.D. (18) 133)

Sympathetic neuron; Neuromodulation; Vasoactive intestinal polypeptide; Tyrosine hydroxylase gene transcription (Zurn, A.D. (20) 125)

Neuropeptide biosynthesis
Carboxypeptidase E; Carboxypeptidase H; Enkephalin convertase (Grigoriants, O. (19) 161)

Neuropeptide Y
Corticotropin-releasing factor; Adrenocorticotropin; Proopiomelanocortin; Pituitary; Hypothalamus (Suda, T. (18) 311)

Hypothalamus; Galanin mRNA; Lean Zucker rat; Obese Zucker rat; Aging; Food deprivation (Jhanwar-Uniyal, M. (19) 195)

Kidney; Tyrosine hydroxylase; Paravertebral ganglia; Celiac-mesenteric plexus (Krukoff, T.L. (19) 287)

Neurotoxicity
DCVC; DCVG; Brain uptake; *S*-Conjugate (Patel, N.J. (17) 53)

Neurotransmission
Brain-derived neurotrophic factor; Glutamate; Quisqualate; Metabotropic glutamate receptor; Cerebellar granule cell (Bessho, Y. (18) 201)

Neurotransmitter receptor
Xenopus oocyte; Nuclear injection (Bloem, L.J. (17) 194)

Neurotrophic factor
Tyrosine kinase receptor; Cerebral cortex; Spreading depression; Glutamate; NMDA receptor (Kokaia, Z. (19) 277)

Neurotrophin-3
Granule cell; Low-affinity nerve growth factor receptor; Brain-derived neurotrophic factor; Sequential expression; In situ hybridization; Local action (Rocamora, N. (17) 1)

Nerve growth factor; Brain-derived neurotrophic factor; Chloramphenicol acetyltransferase; Transcriptional initiation site; Deletion analysis (Shintani, A. (17) 129)

Nerve growth factor; Nerve growth factor receptor; *trk*; Astrocyte; Oligodendrocyte (Kumar, S. (17) 163)

trk; Spinal cord; Dorsal root ganglion; Axotomy (Ernfors, P. (17) 217)

NF-κB-related factor
Brain; Development; Tissue-specific expression (Bakalkin, G.Ya. (20) 137)

NGFI-A
c-*fos*; c-*jun*; Cerebral cortex; Proto-oncogene; Vasoactive intestinal peptide (Vaccarino, F.M. (19) 76)

p75NGFR
Low-affinity nerve growth factor receptor; GAP-43; Growth-associated protein-43; Tα1 α-tubulin; Myelin basic protein; Myelin proteolipid protein (Figueiredo, B.C. (17) 258)

Nicotine
Protooncogene; Reinforcement; Mecamylamine; Fos; Accessory optic system; Ventral tegmental area; Dopamine (Pang, Y. (20) 162)

Nicotinic
Gene expression; Muscarinic; Neuropeptide; Oxotremorine; Start site usage (DeCristofaro, J.D. (18) 133)

Nicotinic receptor
Acetylcholine; Muscarinic receptor; mRNA; Salivary gland; In situ hybridyzation; Rat (Shida, T. (17) 335)

Acetylcholine receptor; Brain; cAMP-dependent protein kinase; Phosphorylation (Nakayama, H. (20) 171)

Nigrostriatal dopamine pathway
Preproenkephalin A mRNA; Intracerebral neural transplantation; In situ hybridization; Autoradiography (Bal, A. (18) 221)

Nigrostriatal dopaminergic pathway
Striatopallidal output; Dopamine D_2 receptor mRNA; Preproenkephalin mRNA; In situ hybridization; Quantitative autoradiography (Chritin, M. (19) 318)

Nigrostriatal pathway
Dopamine; Immediate-early gene; Fos-like immunoreactivity; Striatopallidal neuron (Jian, M. (19) 156)

Nissl stain
In situ hybridization; Deoxyoligonucleotide probe; Glucocorticoid; Hippocampus; Ammon's horn; Degeneration (Liao, B. (19) 328)

NMDA
LHRH; mRNA; LH; Androgen-sterilized rat (Liaw, J.-J. (17) 112)

Somatostatin; Preprosomatostatin; mRNA; Hypothalamus; Primary culture; GAPDH (Rage, F. (17) 287)

Substantia nigra pars reticulata; Muscarinic receptor; Phosphoinositide hydrolysis; Carbachol; Pirenzepine; Dopamine (Arias-Montaño, J.-A. (19) 233)

NMDA receptor; Ligand-gated ion channel; Alternative splicing; Reverse transcriptase–polymerase chain reaction; Gene structure (Kusiak, J.W. (20) 64)

c-*fos*; Proenkephalin; Metrazole; Trifluoperazine; Hippocampus; Adrenal; mRNA (Zhu, Y.-s. (20) 118)

NMDA receptor
Gene expression; GluR1–5; NR1; AMPA receptor; Kainate receptor; Nociception; Motoneuron; Spinal cord (Furuyama, T. (18) 141)

Neurotrophic factor; Tyrosine kinase receptor; Cerebral cortex; Spreading depression; Glutamate (Kokaia, Z. (19) 277)

NMDA; Ligand-gated ion channel; Alternative splicing; Reverse transcriptase–polymerase chain reaction; Gene structure (Kusiak, J.W. (20) 64)

NMDAR1 mRNA
Postnatal rat; Adult rat; Mouse; Human; Brain region; Solution hybridization; RNA quantitation (Franklin, S.O. (19) 93)

Nociception
Gene expression; GluR1–5; NR1; AMPA receptor; Kainate receptor; NMDA receptor; Motoneuron; Spinal cord (Furuyama, T. (18) 141)

Non-neuronal enolase
Neuron-specific enolase; Enolase; mRNA; Development; In situ hybridization (Katagiri, T. (19) 1)

Norepinephrine
GAP-43; B50; Synaptic plasticity; Locus coeruleus; Vibrissa; Barrel cortex; Whisker (Levin, B.E. (18) 59)

Antidepressant; Substantia nigra; mRNA; In situ hybridization histochemistry; Rat (Kapur, S. (18) 121)

LHRH mRNA; LH; Morphine; Androgen-sterilized rat (He, J.-R. (20) 71)

Northern blot
14-3-3 Protein; β Subtype; γ Subtype; Brain; cDNA cloning; In situ hybridization; Development; Rat (Watanabe, M. (17) 135)

Amacrine cell; Proto-oncogene; Depolarization; Action potential; Immunocytochemistry (Koistinaho, J. (17) 179)

Immediate-early gene; Long-term potentiation; Hippocampus; Immunohistochemistry (Demmer, J. (17) 279)

Central angiotensin system; Angiotensinogen mRNA; Preoptic area; Spontaneously hypertensive rat (Shibata, K. (19) 115)

TRH; TRH receptor; mRNA; Brain; Eye; TRH binding site; Rat; Pituitary (Satoh, T. (19) 175)

Ca^{2+}/calmodulin-dependent protein kinase IV; β Polypeptide; Cloning; In situ hybridization (Sakagami, H. (19) 215)

NR1
Gene expression; GluR1–5; AMPA receptor; Kainate receptor; NMDA receptor; Nociception; Motoneuron; Spinal cord (Furuyama, T. (18) 141)

Nuclear injection
Xenopus oocyte; Neurotransmitter receptor (Bloem, L.J. (17) 194)

Nucleotide-exchange factor
*cdc*25; *Ras*; Oncogene (Wei, W. (19) 339)

Nucleus accumbens
Haloperidol; G-protein; Prefrontal cortex; Caudate-putamen (See, R.E. (19) 219)

Cocaine; Dopamine receptor; In situ hybridization; Striatum; Olfactory tubercle (Spyraki, C. (19) 313)

Nucleus caudalis
Fos B; c-*fos* in RNA; Proenkephalin; Trigeminal ganglia (Walther, D. (17) 155)

Nucleus raphe dorsalis
Tryptophan hydroxylase; mRNA; d-Fenfluramine; 5,7-Dihydoxytryptamine; Serotonin; Serotoninergic neuron (Bendotti, C. (19) 257)

O

Obese Zucker rat
Hypothalamus; Neuropeptide Y; Galanin mRNA; Lean Zucker rat; Aging; Food deprivation (Jhanwar-Uniyal, M. (19) 195)

8-OH-DPAT
Serotonin; Thyrotropin releasing hormone; Preprotachykinin; Raphe nucleus; Uptake inhibition (Riley, L.A. (17) 251)

Olfactory
Immunoglobulin superfamily; Neuronal; Glial; Adhesion (Reyes, A.A. (17) 201)

Olfactory bulb
Polyclonal antibody; Light microscopy; Hippocampus; Cerebellum (Araki, T. (20) 263)

Olfactory tubercle
Cocaine; Dopamine receptor; In situ hybridization; Striatum; Nucleus accumbens (Spyraki, C. (19) 313)

Oligodendrocyte
Nerve growth factor; Nerve growth factor receptor; *trk*; Neurotrophin; Astrocyte (Kumar, S. (17) 163)

Tropomyosin; Actin microfilament; Neuron; Astrocyte; Cell culture; Development; Rat (Had, L. (18) 77)

Insulin-like growth factor; Neuronal repair (Beilharz, E.J. (18) 209)

Oncogene
Hippocampus; In situ hybridization; Ribonuclease protection; Angiotensin; Seizure; Epilepsy (Martin, K.A. (19) 303)

*cdc*25; Nucleotide-exchange factor; *Ras* (Wei, W. (19) 339)

Ontogeny
GABA; γ_2 Subunit mRNA; In situ hybridization; Purkinje cell degeneration; Lurcher; Reeler; Cerebellar cortex (Luntz-Leybman, V. (19) 9)

Prostaglandin endoperoxide synthase; Rat brain; Distribution; Primary culture; Neuron; Induction (Kawasaki, M. (19) 39)

Dopamine transporter; In situ hybridization histochemistry; Substantia nigra; Ventral tegmental area (Fujita, M. (19) 222)

Sex dimorphism; Synaptogenesis; Estrogen; GAP-43; SNAP-25 (Lustig, R.H. (20) 101)

Adenosine receptor; Gene expression; Striatum; In situ hybridization; Brain (Weaver, D.R. (20) 313)

Opiate
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Opioid
Estrogen; Proenkephalin; Hypothalamus; Reproductive behavior (Hammer Jr., R.P. (19) 129)

Opioid receptor antagonism
Substance P receptor regulation; Naltrexone; Inositol 1,4,5-trisphosphate; Inositol 1,4,5-trisphosphate receptor; Striatum (Igwe, O.J. (20) 40)

Opsin
Xenopus; Photoreceptor; Development; Embryonic eye; Determination (Saha, M.S. (17) 307)

Osmotic challenge
Vasopressin; Polymerase chain reaction; Hypothalamus; Ethanol; Diuresis (Sanna, P.P. (19) 241)

Oxotremorine
Gene expression; Muscarinic; Nicotinic; Neuropeptide; Start site usage (DeCristofaro, J.D. (18) 133)

P

***Para*-chlorophenylalanine**
Vasoactive intestinal peptide mRNA; Anterior pituitary; Serotonin (Signs, S.A. (17) 36)

Paraventricular nucleus
AMPA; Supraoptic nucleus; In situ hybridization; Immunocytochemistry; Pituicyte (Kiyama, H. (19) 262)

Paravertebral ganglia
Kidney; Tyrosine hydroxylase; Neuropeptide Y; Celiac-mesenteric plexus (Krukoff, T.L. (19) 287)

PC12 cell
Amyloid precursor protein; Nerve growth factor; Immunoprecipitation; Alternative splicing; Alzheimer's disease; Synapse; Western blot (Fukuyama, R. (17) 17)

Acetylcholine receptor; α-Bungarotoxin; TE671 cell line; IMR-32 cell line; SH-SY5Y cell line (Joy, A.M. (17) 95)

Alzheimer's disease; Amyloid precursor protein; Phosphorylation; Heat shock (Johnson, G. (19) 140)

P19 cell
Gene expression; Nervous system; Glutamic acid decarboxylase EC cell; ES cell (Bain, G. (17) 23)

Pedunculopontine tegmental nucleus
Choline acetyltransferase; Medial septum; Hippocampus; Neocortex; Habenula; Cholinergic (Lauterborn, J.C. (17) 59)

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Peptide gene structure
Human MCH gene; Human MCH variant; Human MCH mRNA expression (Breton, C. (18) 297)

Pertussis toxin
$GABA_B$ binding; Rat brain (Knott, C. (18) 353)

Phosphatase
$GABA_A$ receptor; Chloride; Calcium; Sodium; Protein kinase A (Lanius, R.A. (20) 192)

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Phospholipase C
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Phosphorylation
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Androgen receptor; Testosterone; Estrogen; mRNA; Brain (Burgess, L.H. (19) 31)

TRH; TRH receptor; mRNA; Brain; Eye; TRH binding site; Northern blot; Rat (Satoh, T. (19) 175)

Thyrotropin-releasing hormone receptor; Receptor isoform; Alternative splicing; mRNA; Brain; Reverse transcription-polymerase chain reaction; Rat (Satoh, T. (20) 353)

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Platelet-activating factor
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PNMT
Dopamine β-hydroxylase; Gene expression; Immunohistochemistry; Transgenic mouse (Morita, S. (17) 239)

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Dendrite; rRNA; In situ hybridization; Autoradiography (Kleiman, R. (20) 305)

Polyclonal antibody
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Serotonin transporter mRNA; Regional brain expression; Antidepressant drug (Lesch, K.P. (17) 31)

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Preproenkephalin
Preprodynorphin; *zif / 268*; c-*fos*; Hippocampus; In situ hybridization; Convulsion (Helton, T.E. (20) 285)

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Preproenkephalin mRNA
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Gene expression; Sequence conservation; Gel retardation (Sangameswaran, L. (19) 62)

Serotonin 5-HT_2 receptor; Gene regulation; Repression; Reactivation; Glial cell (Ding, D. (20) 181)

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Prostaglandin endoperoxide synthase
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Raphe nucleus
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GABA; γ_2 Subunit mRNA; In situ hybridization; Purkinje cell degeneration; Lurcher; Ontogeny; Cerebellar cortex (Luntz-Leybman, V. (19) 9)

Regional brain expression
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Reinforcement
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Retinitis pigmentosa
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Reverse transcriptase PCR
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Thyrotropin-releasing hormone receptor; Receptor isoform; Alternative splicing; Pituitary; Brain; Reverse transcription-polymerase chain reaction; Rat (Satoh, T. (20) 353)

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SCH 23982
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Senility
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Tryptophan hydroxylase; mRNA; d-Fenfluramine; 5,7-Dihydoxytryptamine; Serotoninergic neuron; Nucleus raphe dorsalis (Bendotti, C. (19) 257)

Serotoninergic neuron
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Serotonin 5-HT_2 receptor
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Serotonin transporter mRNA
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Soluble guanylate cyclase α1 subunit
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Excitotoxicity; Glutamate; Aspartate; Aspartame; Neuronal degeneration; Domoate; Neurolathyrism (Meldrum, B. (18) 293)

Domoate
Excitotoxicity; Glutamate; Aspartate; Aspartame; Neuronal degeneration; Neurolathyrism; Dietary toxin (Meldrum, B. (18) 293)

Dopamine
NMDA; Glutamate; GABA; Benzodiazepine; Opioid; Acetylcholine; Ethanol; Noradrenaline; Serotonin; Somatostatin; Peptide; Toxicity; Place learning; Place recall; Cue learning; Morris water maze (McNamara, R.K. (18) 33)

Ventral tegmental area; γ-Aminobutyric acid; Glutamate; Tachykinin; Neurotensin; Cholecystokinin; Enkephalin; Dynorphin (Kalivas, P.W. (18) 75)

Drug addiction; Brain; Incentive motivation; Sensitization; Neuroadaptation; Nucleus accumbens; Striatum (Robinson, T.E. (18) 247)

Dorsal horn
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Drug addiction
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Dynorphin
Dopamine; Ventral tegmental area; γ-Aminobutyric acid; Glutamate; Tachykinin; Neurotensin; Cholecystokinin; Enkephalin (Kalivas, P.W. (18) 75)

E

Enkephalin
Dopamine; Ventral tegmental area; γ-Aminobutyric acid; Glutamate; Tachykinin; Neurotensin; Cholecystokinin; Dynorphin (Kalivas, P.W. (18) 75)

Ethanol
NMDA; Glutamate; GABA; Benzodiazepine; Opioid; Acetylcholine; Noradrenaline; Dopamine; Serotonin; Somatostatin; Peptide; Toxicity; Place learning; Place recall; Cue learning; Morris water maze (McNamara, R.K. (18) 33)

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Excitotoxicity
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F

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G

GABA
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Glucocorticoid
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Glutamate
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H

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I

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J

Joint control
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K

Kainate
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L

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M

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R

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NMDA; Glutamate; GABA; Benzodiazepine; Opioid; Acetylcholine; Ethanol; Noradrenaline; Dopamine; Somatostatin; Peptide; Toxicity; Place learning; Place recall; Cue learning; Morris water maze (McNamara, R.K. (18) 33)

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